



DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS 67202

ATTN: Vern Schrag

24 27 5 Kingman KS

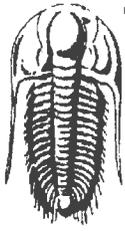
Kerschen #1-24

Start Date: 2006.11.16 @ 15:39:29

End Date: 2006.11.16 @ 23:47:44

Job Ticket #: 25876 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

Lario Oil & Gas
301 S Market
Wichita KS 67202
ATTN: Vern Schrag

Kerschen #1-24
24 27 5 Kingman KS
Job Ticket: 25876 **DST#: 1**
Test Start: 2006.11.16 @ 15:39:29

GENERAL INFORMATION:

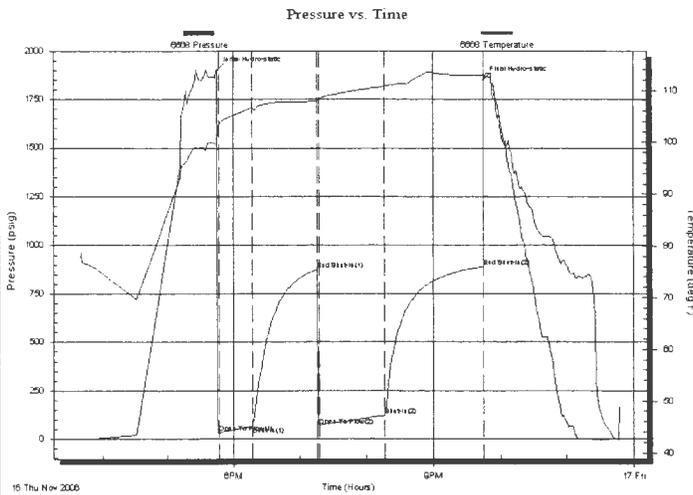
Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:46:59
Time Test Ended: 23:47:44
Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30
Interval: **3769.00 ft (KB) To 3820.00 ft (KB) (TVD)**
Reference Elevations: 1498.00 ft (KB)
Total Depth: 3820.00 ft (KB) (TVD)
1490.00 ft (CF)
Hole Diameter: 7.80 inches Hole Condition: Good
KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 122.33 psig @ 3769.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.11.16 End Date: 2006.11.16 Last Calib.: 2006.11.17
Start Time: 15:39:34 End Time: 23:47:43 Time On Btm: 2006.11.16 @ 17:45:14
Time Off Btm: 2006.11.16 @ 21:44:58

TEST COMMENT: IF Strong blow BOB immediately
ISI Bled off No blow back
FF Strong blow BOB immediately GTS in 15 mins. Too small to measure
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.44	99.44	Initial Hydro-static
2	31.54	103.39	Open To Flow (1)
32	65.85	106.60	Shut-In(1)
91	874.63	107.88	End Shut-In(1)
93	67.42	108.22	Open To Flow (2)
152	122.33	110.74	Shut-In(2)
240	890.24	112.94	End Shut-In(2)
240	1848.14	114.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Watery Mud 46%W 54%M	1.74
124.00	Muddy water w/scum of Oil 80%W 20%1.74	

Gas Rates

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



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TOOL DIAGRAM

Lario Oil & Gas
301 S Market
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ATTN: Vern Schrag

Kerschen #1-24
24 27 5 Kingman KS
Job Ticket: 25876 **DST#: 1**
Test Start: 2006.11.16 @ 15:39:29

Tool Information

Drill Pipe:	Length: 3772.00 ft	Diameter: 3.80 inches	Volume: 52.91 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 52.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3769.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3746.00	
Hydraulic tool	5.00			3751.00	
Jars	5.00			3756.00	
Safety Joint	3.00			3759.00	
Packer	5.00			3764.00	28.00 Bottom Of Top Packer
Packer	5.00			3769.00	
Recorder	0.00	6668	Inside	3769.00	
Stubb	0.50			3769.50	
Perforations	10.00			3779.50	
Blank Spacing	31.00			3810.50	
Stubb	0.50			3811.00	
Perforations	5.00			3816.00	
Recorder	0.00	13266	Outside	3816.00	
Bullnose	3.00			3819.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



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FLUID SUMMARY

Lario Oil & Gas

Kerschen #1-24

301 S Market
Wichita KS 67202

24 27 5 Kingman KS

Job Ticket: 25876

DST#: 1

ATTN: Vern Schrag

Test Start: 2006.11.16 @ 15:39:29

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:	100000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: 0.88 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

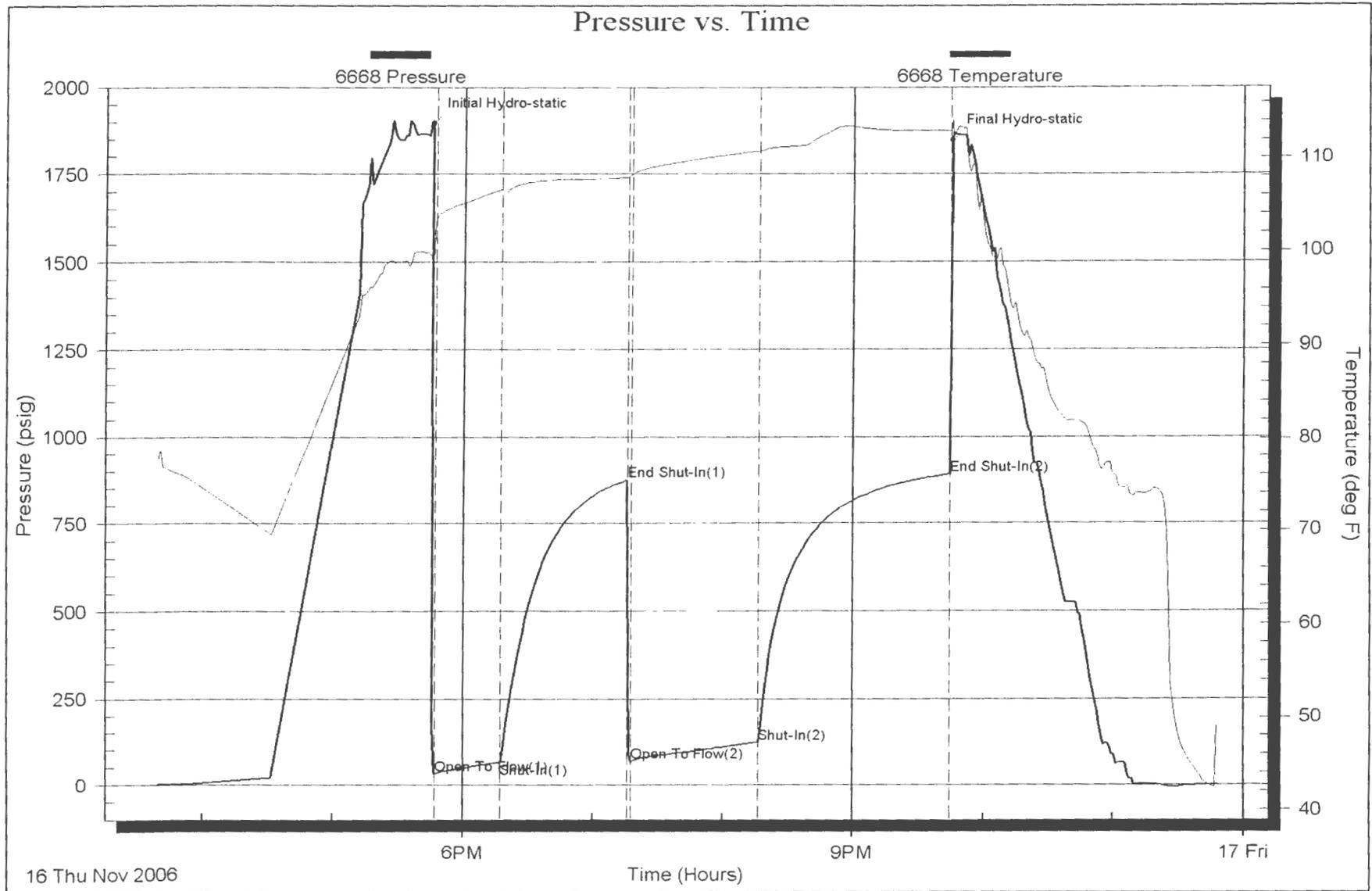
Length ft	Description	Volume bbl
124.00	Watery Mud 46%W 54%M	1.739
124.00	Muddy water w/scum of Oil 80%W 20%M	1.739

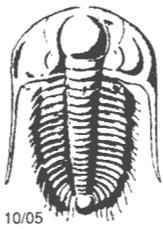
Total Length: 248.00 ft Total Volume: 3.478 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9549

25876

Test Ticket

Well Name & No. Keuschen #1-24 Test No. # 1 Date 11-16-06
 Company Harco Oil & Gas Co. Zone Tested Miss.
 Address 301 S. Market Wichita, KS 67202 Elevation 1498' KB 1490' GL
 Co. Rep / Geo. Uen Schrag Rig Duke Rig 2
 Location: Sec. 24 Twp. 27S Rge. 5W Co. Kingman State KS
 Comment: _____ Release date / time: _____

Interval Tested 3769' - 3820' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 56,000
 Anchor Length _____ Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth _____ Tool Weight 2,100 lbs
 Bottom Packer Depth _____ Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.4 LCM 0 Vis. 48 WL 10 Drill Pipe Size 4 1/2 XH Ft. Run 3772'

Blow Description IF: Strong blow, B.O.B. immediately.
ISI: Bleed off, no blow back.
FF: Strong blow, B.O.B. immediately, G.T.S. 15 mins. Too small to measure.
FSI: Bleed off, no blow back.

Recovery - Total Feet	GIP	G.T.S. in ¹⁵ mins.	Ft. in DC	Ft. in DP	
<u>248</u>	<u>G.T.S.</u>	<u>15</u>	<u>NONE</u>	<u>248</u>	
Rec. <u>124</u>	Feet of <u>Wet Mud</u>	%gas	%oil	%water	%mud
Rec. <u>124</u>	Feet of <u>Watery Mud</u>	%gas	%oil	<u>46</u> %water	<u>54</u> %mud
Rec. _____	Feet of <u>Muddy Water with</u>	%gas	%oil	<u>80</u> %water	<u>20</u> %mud
Rec. _____	Feet of <u>scum of oil</u>	%gas	%oil	%water	%mud
BHT <u>113</u>	°F Gravity	°API D @	°F Corrected Gravity	°API	
RW <u>0.88 @ 68</u>	°F Chlorides	ppm Recovery	Chlorides	ppm System	

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1,913</u>	PSI	<u>66668</u>	✓ <u>1100</u>
(B) First Initial Flow Pressure	<u>32</u>	PSI	(depth) <u>3769'</u>	Jars ✓ <u>250</u>
(C) First Final Flow Pressure	<u>66</u>	PSI	Recorder No. <u>13266</u>	Safety Jt. ✓ <u>75</u>
(D) Initial Shut-In Pressure	<u>875</u>	PSI	(depth) <u>3816'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>67</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>122</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>890</u>	PSI	Initial Opening <u>30 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1,871</u>	PSI	Initial Shut-In <u>60 mins</u>	Shale Packer _____
			Final Flow <u>60 mins</u>	Ruined Packer _____
			Final Shut-In <u>90 mins</u>	Mileage ✓ <u>100 miles</u>
			T-On Location <u>14:30</u>	Sub Total: _____
			T-Started <u>15:39</u>	Std. By <u>1.25</u> <u>125</u>
			T-Open <u>17:47</u>	Acc. Chg: _____
			T-Pulled <u>22:05</u>	Other: <u>\$1675</u>
			T-Out <u>23:47</u>	Total: <u>\$1675</u>

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Approved By Jerry C. Schrag
 Our Representative Mary Lushenbery

CHART PAGE

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

