



DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas CO**

301 S Market
Wichita KS 67202

ATTN: Vern Schrag

8 28S 5W Kingman KS

Bergkamp #1-8

Start Date: 2006.11.27 @ 16:57:35

End Date: 2006.11.28 @ 01:00:05

Job Ticket #: 25494 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 CO

301 S Market
Wichita KS 67202

ATTN: Vern Schrag

Bergkamp #1-8

8 28S 5W Kingman KS

Job Ticket: 25494

DST#: 1

Test Start: 2006.11.27 @ 16:57:35

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 18:51:50

Time Test Ended: 01:00:05

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **3760.00 ft (KB) To 3779.00 ft (KB) (TVD)**

Total Depth: **3779.00 ft (KB) (TVD)**

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

Reference Elevations: **1419.00 ft (KB)**

1410.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **295.69 psig @ 3761.00 ft (KB)**

Start Date: **2006.11.27**

End Date:

2006.11.28

Capacity: **7000.00 psig**

Last Calib.: **2006.11.28**

Start Time: **16:57:40**

End Time:

01:00:04

Time On Btm: **2006.11.27 @ 18:50:35**

Time Off Btm: **2006.11.27 @ 22:37:04**

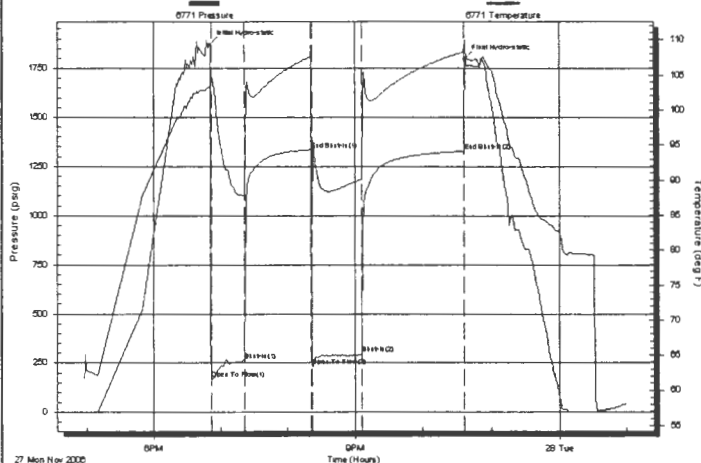
TEST COMMENT: IF Strong blow BOB immediately GTS in 4 min. Gauged 60# on 3/4 choke

ISI Weak blow 1/2 "

FSI Strong blow BOB immediately Gauged 72# on 3/4 choke.

FSI Weak blow 3/4 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.72	103.26	Initial Hydro-static
2	166.91	104.79	Open To Flow (1)
32	263.48	87.68	Shut-In (1)
91	1335.31	107.54	End Shut-In (1)
92	232.70	84.11	Open To Flow (2)
136	295.69	90.12	Shut-In (2)
226	1327.60	108.25	End Shut-In (2)
227	1797.91	109.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Watery Mud 15%W 85%M	0.84
60.00	Mud	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	50.00	1005.92
Last Gas Rate	0.75	72.00	1349.56
Max. Gas Rate	0.75	72.00	1349.56



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TOOL DIAGRAM

Lario Oil & Gas CO

301 S Market
Wichita KS 67202

ATTN: Vern Schrag

Bergkamp #1-8

8 28S 5W Kingman KS

Job Ticket: 25494

DST#: 1

Test Start: 2006.11.27 @ 16:57:35

Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.80 inches	Volume: 52.74 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 40000.00 lb
		Total Volume: 52.74 bbl		Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3760.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	46.00 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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Change Over Sub	1.00			3734.00	
Shut In Tool	5.00			3739.00	
Hydraulic tool	5.00			3744.00	
Jars	5.00			3749.00	
Safety Joint	2.00			3751.00	
Packer	4.00			3755.00	27.00 Bottom Of Top Packer
Packer	5.00			3760.00	
Stubb	1.00			3761.00	
Recorder	0.00	6771	Inside	3761.00	
Perforations	13.00			3774.00	
Recorder	0.00	13789	Outside	3774.00	
Bullnose	5.00			3779.00	19.00 Bottom Packers & Anchor

Total Tool Length: 46.00



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FLUID SUMMARY

Lario Oil & Gas CO

Bergkamp #1-8

301 S Market
Wichita KS 67202

8 28S 5W Kingman KS

Job Ticket: 25494

DST#: 1

ATTN: Vern Schrag

Test Start: 2006.11.27 @ 16:57:35

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:

25000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Watery Mud 15%W 85%M	0.842
60.00	Mud	0.842

Total Length: 120.00 ft

Total Volume:

1.684 bbl

Num Fluid Samples: 0

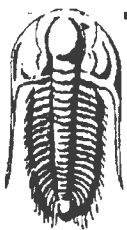
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Lario Oil & Gas CO

Bergkamp #1-8

301 S Market
Wichita KS 67202

8 28S 5W Kingman KS

Job Ticket: 25494

DST#: 1

ATTN: Vern Schrag

Test Start: 2006.11.27 @ 16:57:35

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.75	50.00	1005.92
1	10	0.75	50.00	1005.92
1	20	0.75	56.00	1099.64
1	30	0.75	60.00	1162.12
2	10	0.75	68.00	1287.08
2	20	0.75	72.00	1349.56
2	40	0.75	72.00	1349.56

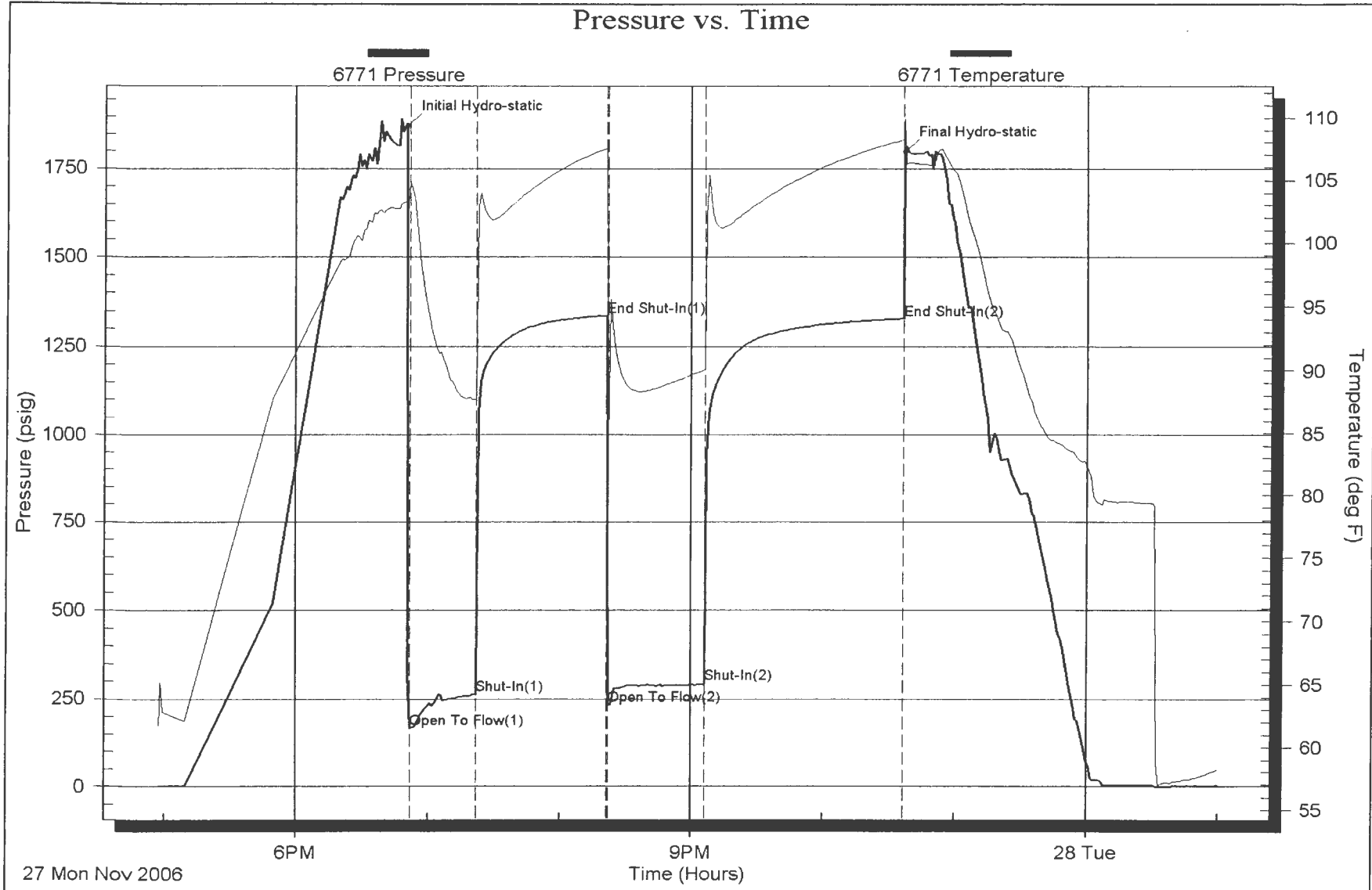
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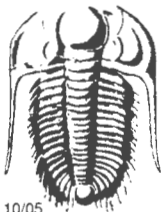
Inside

Lario Oil & Gas CO

8 28S 5W Kingman KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25494

9606

Test Ticket

Well Name & No.	Bergkamp #1-8	Test No.	1	Date	11-27-06
Company	Jario Oil & Gas Co.	Zone Tested	Mississippi		
Address	301 S. Market Wichita Ks 67202	Elevation	1419 KB 1410	GL	
Co. Rep / Geo.	Vern Schrag	Rig	Southwind #2		
Location: Sec.	8	Twp.	28S	Rge.	5W
		Co.	Kingman	State	Ks
Comment:	Release date / time:				

Interval Tested	3760-3779	Initial Str Wt./Lbs.	40000	Unseated Str Wt./Lbs.	40000
Anchor Length	19'	Wt. Set Lbs.	20000	Wt. Pulled Loose/Lbs.	40000
Top Packer Depth	3755 3755	Tool Weight	2100		
Bottom Packer Depth	3750 3760	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3779	Wt. Pipe Run		Drill Collar Run	
Mud Wt.	9.4 LCM	Vis.	55	WL	8.4
Drill Pipe Size	4 1/2"	Ft. Run	3760		
Blow Description	IF: Strong blow. BOB immediately. DTS in 4 min. Guaged 60 on 3/4 choke. ISI: Weak blow. 1/2"				
	FF: Strong blow. BOB immediately. Guaged 72# on 3/4 choke. FSI: Weak blow. 3/4"				
Recovery - Total Feet	120	GIP		Ft. in DC	
Rec.	60	Feet of	Watery mud	%gas	%oil
Rec.	60	Feet of	mud	%gas	%oil
Rec.		Feet of		%gas	%oil
Rec.		Feet of		%gas	%oil
Rec.		Feet of		%gas	%oil
BHT	108	*F Gravity		*API D @	
RW	.32 @ 60	*F		*F Corrected Gravity	
		Chlorides	2000 ppm	Recovery	
		Chlorides	5000 ppm	System	

(A) Initial Hydrostatic Mud	1855 PSI	Recorder No.	6771	Test	✓	1100
(B) First Initial Flow Pressure	167 PSI	(depth)	3761	Jars	✓	250
(C) First Final Flow Pressure	263 PSI	Recorder No.	13789	Safety Jt.	✓	15
(D) Initial Shut-In Pressure	1335 PSI	(depth)	3774	Circ Sub		
(E) Second Initial Flow Pressure	233 PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure	296 PSI	(depth)		Straddle		
(G) Final Shut-In Pressure	1328 PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud	1815 PSI	Initial Shut-In	60	Shale Packer		
		Final Flow	45	Ruined Packer		
		Final Shut-In	90	Mileage	110 ✓	137.50
		T-On Location	15:50	Sub Total:		
		T-Started	16:57	Std. By	1hr	100
		T-Open	18:51	Acc. Chg:		
		T-Pulled	22:35	Other:		
		T-Out	1:00	Total:		\$1662.50

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Approved By Vern C Schrag

Our Representative Zachary R. Stover

GAS VOLUME REPORT

GAS VOLUME REPORT
Garco Gas & Oil Co Bergkamp #1-8

OPERATOR

WELL NAME (AND NO.)

DST NO.

Initial

Final

[illegible]

Remarks: