



DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co LLC**

PO Box 164
Andover KS 67002

ATTN: Jeff Christian

4 18S 24W Ness KS

Eleanor #1

Start Date: 2006.05.07 @ 20:15:43

End Date: 2006.05.08 @ 01:50:13

Job Ticket #: 23969 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

Northern Lights Oil Co LLC

PO Box 164
Andover KS 67002

ATTN: Jeff Christian

Eleanor #1

4 18S 24W Ness KS

Job Ticket: 23969

DST#: 1

Test Start: 2006.05.07 @ 20:15:43

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:25:28

Time Test Ended: 01:50:13

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **4267.00 ft (KB) To 4309.00 ft (KB) (TVD)**

Total Depth: 4309.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2305.00 ft (KB)

2300.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 19.30 psig @ 4272.00 ft (KB)

Start Date: 2006.05.07

End Date: 2006.05.08

Capacity: 7000.00 psig

Last Calib.: 2006.05.08

Start Time: 20:15:45

End Time: 01:50:13

Time On Btm: 2006.05.07 @ 22:24:58

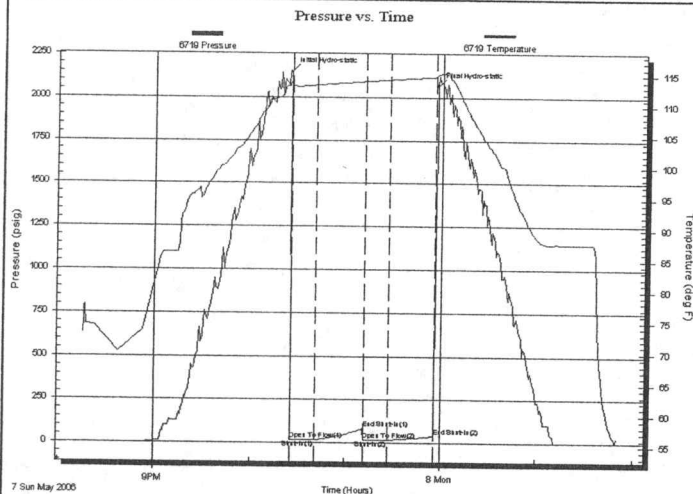
Time Off Btm: 2006.05.07 @ 23:56:58

TEST COMMENT: IFP Weak Blow Built to 1/2 in Died at end of period

ISI Dead

FFP Dead

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.89	113.99	Initial Hydro-static
1	18.41	113.40	Open To Flow (1)
16	18.32	113.41	Shut-In(1)
47	84.14	114.04	End Shut-In(1)
47	19.56	114.00	Open To Flow(2)
63	19.30	114.31	Shut-In(2)
92	40.86	114.81	End Shut-In(2)
92	2065.51	115.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	M	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co LLC

Eleanor #1

PO Box 164
Andover KS 67002

4-18S 24W Ness KS

Job Ticket: 23969

DST#: 1

ATTN: Jeff Christian

Test Start: 2006.05.07 @ 20:15:43

Tool Information

Drill Pipe:	Length: 4007.00 ft	Diameter: 3.80 inches	Volume: 56.21 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:	25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	57.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	4267.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	70.00 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			4240.00	
Shut In Tool	5.00			4245.00	
Hydraulic tool	5.00			4250.00	
Jars	5.00			4255.00	
Safety Joint	2.00			4257.00	
Packer	5.00			4262.00	28.00 Bottom Of Top Packer
Packer	5.00			4267.00	
Stubb	1.00			4268.00	
Perforations	3.00			4271.00	
Change Over Sub	1.00			4272.00	
Recorder	0.00	6719	Inside	4272.00	
Blank Spacing	31.00			4303.00	
Change Over Sub	1.00			4304.00	
Perforations	2.00			4306.00	
Recorder	0.00	13221	Outside	4306.00	
Bullnose	3.00			4309.00	42.00 Bottom Packers & Anchor
Total Tool Length:		70.00			



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FLUID SUMMARY

Northern Lights Oil Co LLC

Eleanor #1

PO Box 164
Andover KS 67002

4 18S 24W Ness KS

Job Ticket: 23969

DST#: 1

ATTN: Jeff Christian

Test Start: 2006.05.07 @ 20:15:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

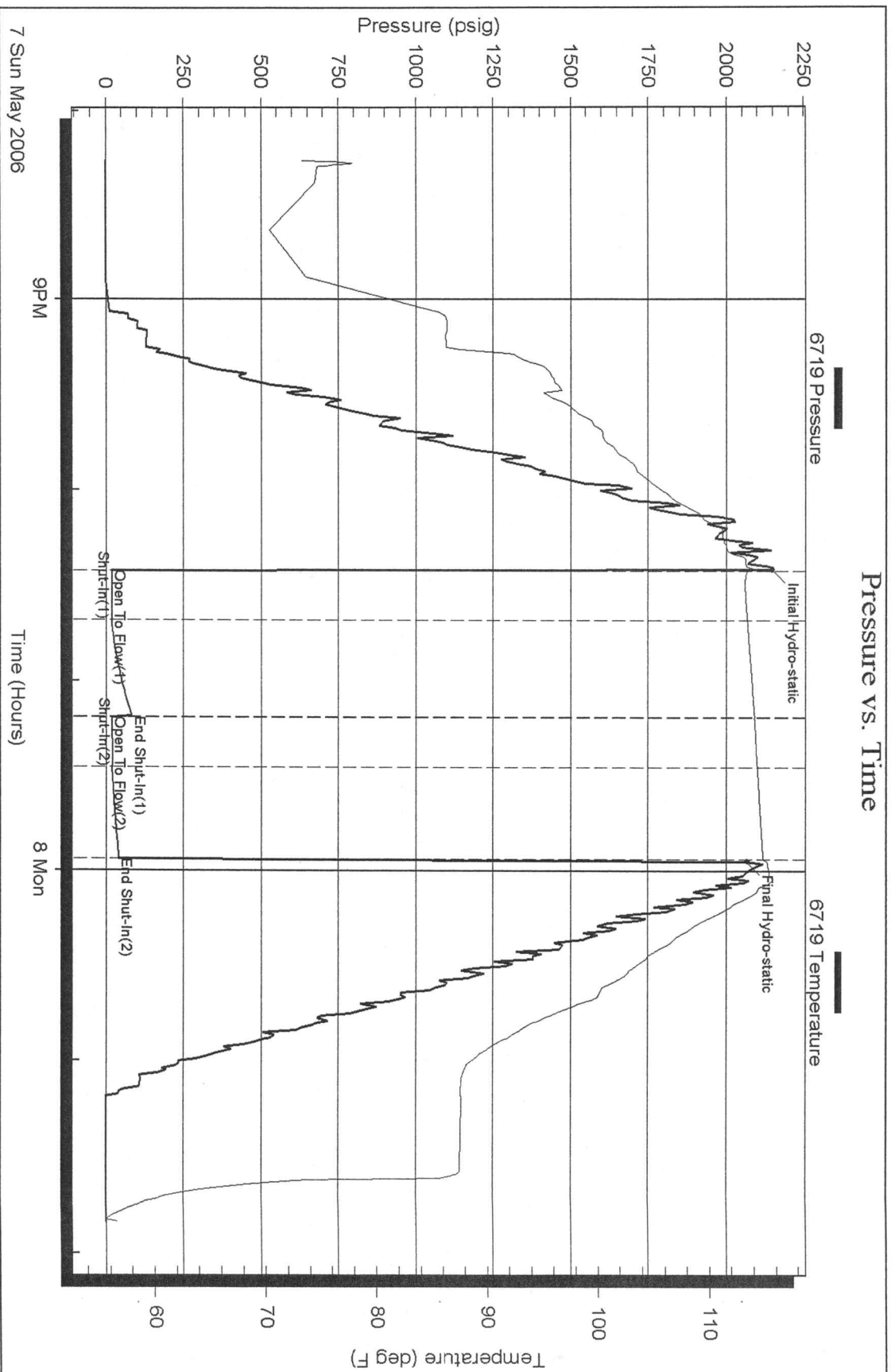
Serial #: 6719

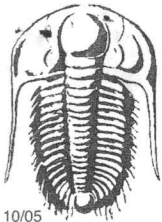
Inside

Northern Lights Oil Co LLC

4 18S 24W Ness KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23969

Test Ticket

Well Name & No. Eleanor #1 Test No. 1 Date 5-7-06
 Company Northern Lights Oil Co. LC Zone Tested Cherokee sand
 Address PO Box 164, Andover, KS. 67002 Elevation 2305 KB 2300 GL
 Co. Rep / Geo. Jeff Christian Rig Mallard
 Location: Sec. 4 Twp. 18s Rge. 24w Co. Ness State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4267-4309 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 42' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 4262 Tool Weight 2200
 Bottom Packer Depth 4267 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth ~~4262~~ 4309 Wt. Pipe Run 0 Drill Collar Run 249
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 XH Ft. Run 4007
 Blow Description IFP-Weak Blow, 1/2", Died at end of period
ISI-Dead
FFP-Dead
FSI-Dead

Recovery - Total Feet 3 GIP _____ Ft. in DC 3 Ft. in DP _____
 Rec. 3 Feet of Mud %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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 115 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2147</u> PSI	<u>6719</u>	<u>1100</u>
(B) First Initial Flow Pressure		<u>18</u> PSI	(depth) <u>4271</u>	<u>250</u>
(C) First Final Flow Pressure		<u>18</u> PSI	Recorder No. <u>13221</u>	<u>75</u>
(D) Initial Shut-In Pressure		<u>84</u> PSI	(depth) <u>4306</u>	
(E) Second Initial Flow Pressure		<u>19</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure		<u>19</u> PSI	(depth) _____	
(G) Final Shut-In Pressure		<u>41</u> PSI	Initial Opening <u>15</u>	
(Q) Final Hydrostatic Mud		<u>2065</u> PSI	Initial Shut-In <u>30</u>	

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Approved By _____

Our Representative J. Mc Lomou Thank you

T-On Location

T-Started

T-Open

T-Pulled

T-Out

15
30
15
30
19:15
20:15
22:25
23:55
1:50

Test 1100
Jars 250
Safety Jt. 75
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage 136 + 170
 Sub Total: 1595
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____