

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Nash Oil & Gas Inc.**

PO Box 8747
Pratt KS 67124

ATTN: Kim Shoemaker

3-34s-6w

Red #1-3

Start Date: 2006.02.12 @ 15:07:12

End Date: 2006.02.13 @ 02:31:27

Job Ticket #: 23520

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

Nash Oil & Gas Inc.

Red #1-3

PO Box 8747
Pratt KS 67124

3-34s-6w

Job Ticket: 23520

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2006.02.12 @ 15:07:12

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 00:00:00

Time Test Ended: 02:31:27

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4476.00 ft (KB) To 4547.00 ft (KB) (TVD)**

Total Depth: **4547.00 ft (KB) (TVD)**

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

Reference Elevations: **1287.00 ft (KB)**

1278.00 ft (CF)

KB to GRVCF: **9.00 ft**

Serial #: 6799

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

Start Date: **2006.02.12**

End Date: **2006.02.13**

Capacity: **7000.00 psig**

Last Calib.: **2006.02.13**

Start Time: **15:07:17**

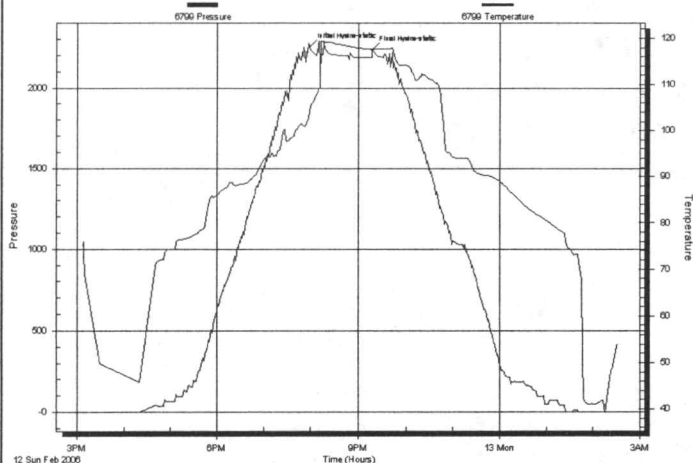
End Time: **02:31:27**

Time On Btm: **2006.02.12 @ 19:58:42**

Time Off Btm: **2006.02.12 @ 21:17:12**

TEST COMMENT: IF: Packers failed. Picked up and reset. Packers did not hold.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.14	104.33	Initial Hydro-static
79	2234.51	117.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
700.00	Drilling Mud	5.25

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Nash Oil & Gas Inc.

Red #1-3

PO Box 8747
Pratt KS 67124

3-34s-6w

Job Ticket: 23520

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2006.02.12 @ 15:07:12

Tool Information

Drill Pipe:	Length:	4089.00 ft	Diameter:	3.25 inches	Volume:	41.96 bbl	Tool Weight:	2400.00 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:	362.00 ft	Diameter:	2.25 inches	Volume:	1.78 bbl	Weight to Pull Loose:	78000.00 lb
					Total Volume:	43.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:		4476.00 ft					Final	72000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		71.00 ft						
Tool Length:		99.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4449.00	
Shut In Tool	5.00			4454.00	
Hydraulic tool	5.00			4459.00	
Jars	5.00			4464.00	
Safety Joint	2.00			4466.00	
Packer	5.00			4471.00	28.00 Bottom Of Top Packer
Packer	5.00			4476.00	
Stubb	1.00			4477.00	
Perforations	4.00			4481.00	
Change Over Sub	1.00			4482.00	
Recorder	0.00	6799	Inside	4482.00	
Blank Spacing	29.00			4511.00	
Change Over Sub	1.00			4512.00	
Perforations	32.00			4544.00	
Recorder	0.00	13400	Outside	4544.00	
Bullnose	3.00			4547.00	71.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Nash Oil & Gas Inc.

Red #1-3

PO Box 8747
Pratt KS 67124

3-34s-6w

Job Ticket: 23520

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2006.02.12 @ 15:07:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 17.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
700.00	Drilling Mud	5.248

Total Length: 700.00 ft

Total Volume: 5.248 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

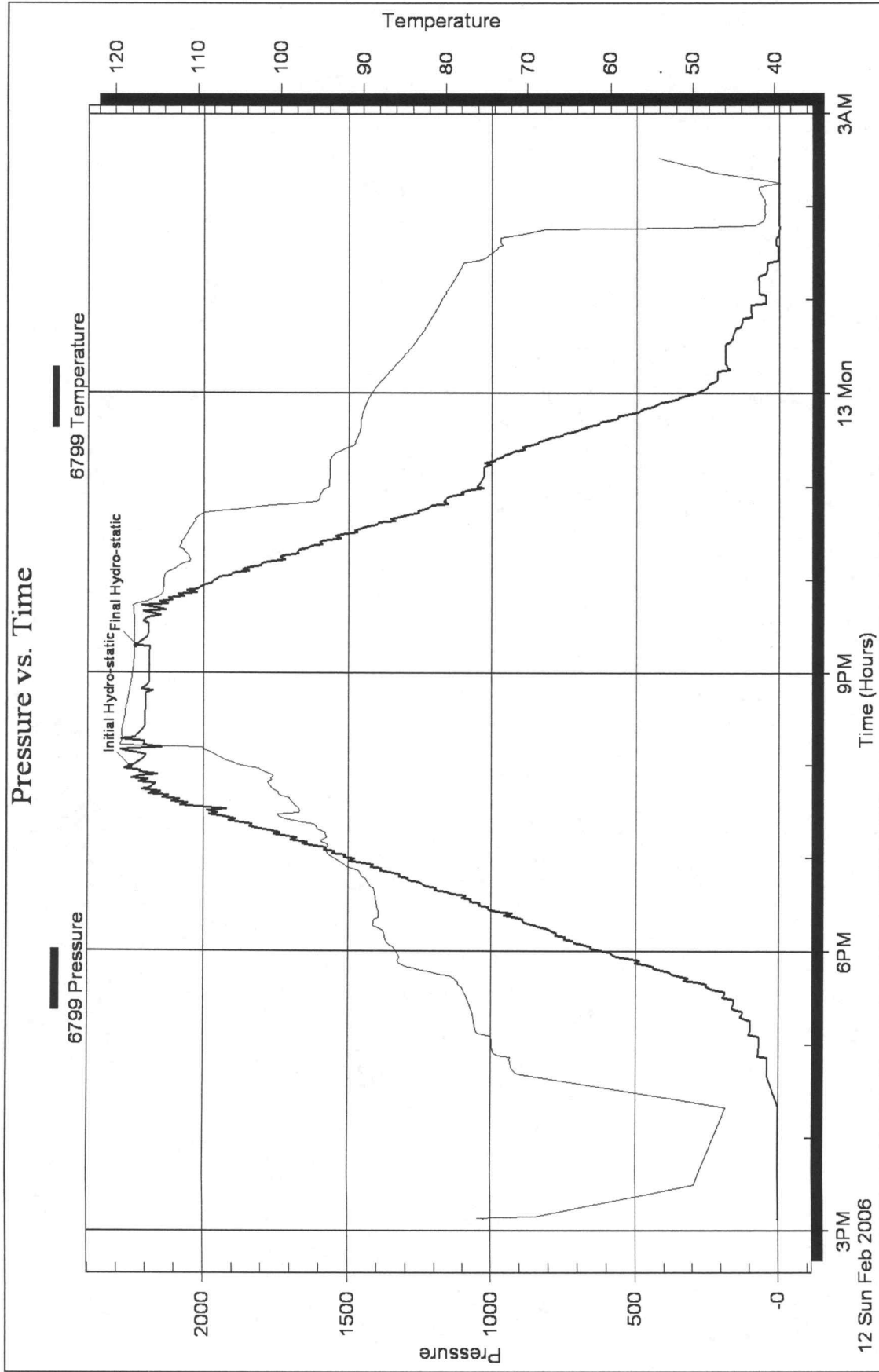
Recovery Comments:

Serial #: 6799

Nash Oil & Gas Inc.

3-34s-6w

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Nash Oil & Gas Inc.**

PO Box 8747
Pratt KS 67124

ATTN: Kim Shoemaker

3-34s-6w

Red #1-3

Start Date: 2006.02.13 @ 02:37:33

End Date: 2006.02.13 @ 15:13:18

Job Ticket #: 23521 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Nash Oil & Gas Inc.

PO Box 8747
Pratt KS 67124

ATTN: Kim Shoemaker

Red #1-3

3-34s-6w

Job Ticket: 23521

DST#: 2

Test Start: 2006.02.13 @ 02:37:33

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 08:27:03

Time Test Ended: 15:13:18

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4406.00 ft (KB) To 4547.00 ft (KB) (TVD)**

Total Depth: **4547.00 ft (KB) (TVD)**

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

Reference Elevations: **1287.00 ft (KB)**

1278.00 ft (CF)

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

Serial #: 6799

Inside

Press@RunDepth: **63.94 psig @ 4413.00 ft (KB)**

Start Date: **2006.02.13**

End Date: **2006.02.13**

Start Time: **02:37:38**

End Time: **15:13:18**

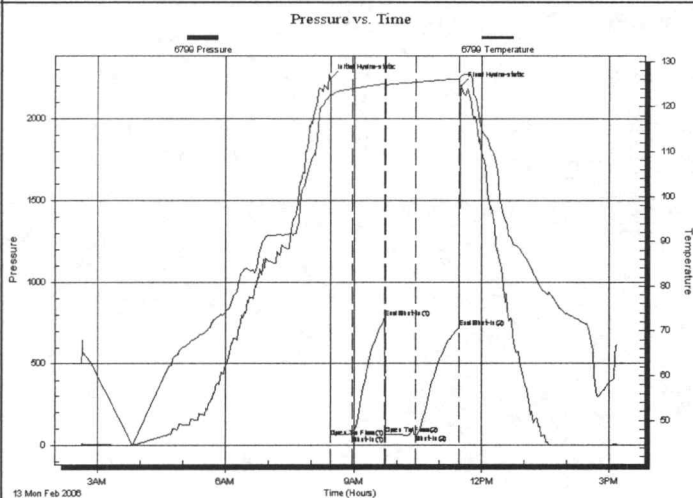
Capacity: **7000.00 psig**

Last Calib.: **2006.02.13**

Time On Btm: **2006.02.13 @ 08:26:18**

Time Off Btm: **2006.02.13 @ 11:31:33**

TEST COMMENT: IF: No blow.
IS: No blow.
FF: No blow.
FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.28	122.88	Initial Hydro-static
1	48.16	122.37	Open To Flow (1)
32	63.10	124.00	Shut-In(1)
77	780.20	125.02	End Shut-In(1)
78	66.33	124.81	Open To Flow (2)
122	63.94	125.43	Shut-In(2)
182	720.17	126.17	End Shut-In(2)
186	2201.53	126.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drilling Mud	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Nash Oil & Gas Inc.

Red #1-3

PO Box 8747
Pratt KS 67124

3-34s-6w

Job Ticket: 23521

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2006.02.13 @ 02:37:33

Tool Information

Drill Pipe:	Length: 3968.00 ft	Diameter: 3.25 inches	Volume: 40.71 bbl	Tool Weight: 2400.00 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: 422.00 ft	Diameter: 2.25 inches	Volume: 2.08 bbl	Weight to Pull Loose: 95000.00 lb
		Total Volume: 42.79 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4406.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	141.00 ft			
Tool Length:	169.00 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			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Jars	5.00			4394.00	
Safety Joint	2.00			4396.00	
Packer	5.00			4401.00	28.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Perforations	5.00			4412.00	
Change Over Sub	1.00			4413.00	
Recorder	0.00	6799	Inside	4413.00	
Blank Spacing	120.00			4533.00	
Change Over Sub	1.00			4534.00	
Perforations	10.00			4544.00	
Recorder	0.00	13400	Outside	4544.00	
Bullnose	3.00			4547.00	141.00 Bottom Packers & Anchor
Total Tool Length:		169.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Nash Oil & Gas Inc.

Red #1-3

PO Box 8747
Pratt KS 67124

3-34s-6w

Job Ticket: 23521

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2006.02.13 @ 02:37:33

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 13.59 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drilling Mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

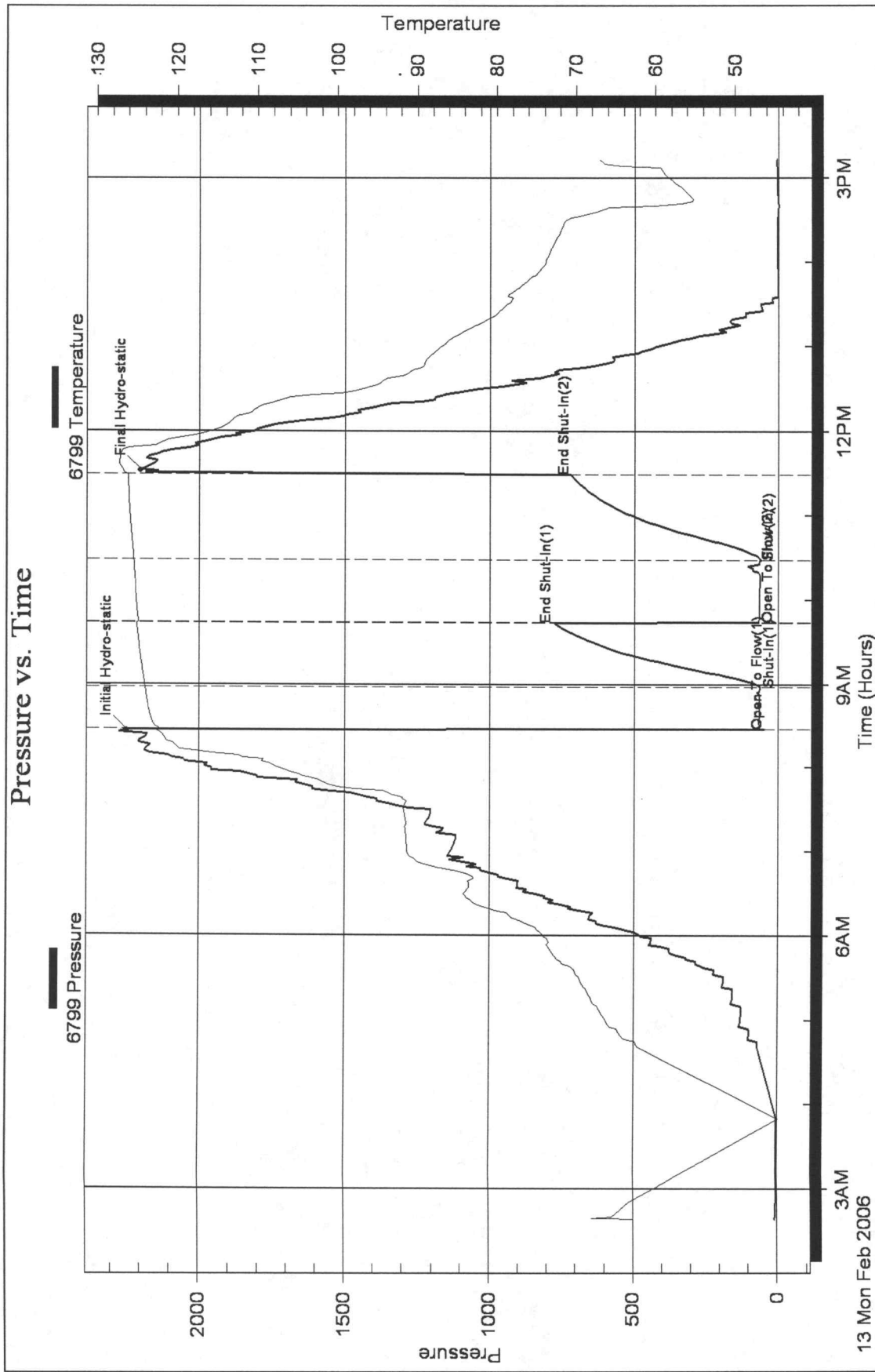
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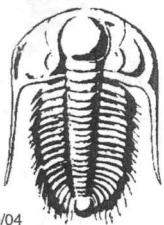
Inside

Nash Oil & Gas Inc.

3-34s-6w

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

8425
No 23520

Test Ticket

Well Name & No. <u>Red # 1-3</u>	Test No. <u>1</u>	Date <u>2-12-06</u>
Company <u>Nash Oil & Gas Inc.</u>	Zone Tested <u>Miss.</u>	
Address <u>P.O. Box 8747 Pratt, KS 67124</u>	Elevation <u>1287</u> KB <u>1278</u> GL	
Co. Rep / Geo. <u>Kim Shoemaker</u>	Cont. <u>Warren Drilg. #9</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>3</u> Twp. <u>34s</u> Rge. <u>6w</u> Co. <u>Harper</u> State <u>KS</u>		
No. of Copies <u>5</u> Distribution Sheet (Y, N) <u> </u> Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>4476 - 4547</u>	Initial Str Wt./Lbs. <u>70,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u>71'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>78,000</u>
Top Packer Depth <u>4471</u>	Tool Weight <u>2400</u>	
Bottom Packer Depth <u>4476</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4547</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>362</u>
Mud Wt. <u>9.7</u> LCM <u>1#</u> Vis. <u>44</u> WL <u>17.6</u>	Drill Pipe Size <u>4 1/2"XH</u>	Ft. Run <u> </u>
Blow Description <u>FF: Packers failed. Picked up and reset. Packers did not hold.</u>		

ISI:

FF:

FSI:

Recovery - Total Feet <u>700</u>	GIP <u>NO</u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>700</u>	Feet of <u>Drilling Mud</u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet of <u> </u>	%gas <u> </u>	%oil <u> </u>
BHT <u> </u> °F Gravity <u> </u> °API D @ <u> </u> °F Corrected Gravity <u> </u> °API			
RW <u> </u> @ <u> </u> °F Chlorides <u> </u> ppm Recovery <u> </u> Chlorides <u>8000</u> ppm System			

(A) Initial Hydrostatic Mud <u>2255</u> PSI	Recorder No. <u>6799</u>	Test <u>✓</u> <u>1000</u>
(B) First Initial Flow Pressure <u> </u> PSI	(depth) <u>4477</u>	Jars <u>✓</u> <u>200</u>
(C) First Final Flow Pressure <u> </u> PSI	Recorder No. <u>13400</u>	Safety Jt. <u>✓</u> <u>50</u>
(D) Initial Shut-In Pressure <u> </u> PSI	(depth) <u>4544</u>	Circ Sub <u>✓</u> <u>NC</u>
(E) Second Initial Flow Pressure <u> </u> PSI	Recorder No. <u> </u>	Sampler <u> </u>
(F) Second Final Flow Pressure <u> </u> PSI	(depth) <u> </u>	Straddle <u> </u>
(G) Final Shut-In Pressure <u> </u> PSI	Initial Opening <u> </u>	Ext. Packer <u> </u>
(Q) Final Hydrostatic Mud <u>2235</u> PSI	Initial Shut-In <u> </u>	Shale Packer <u> </u>

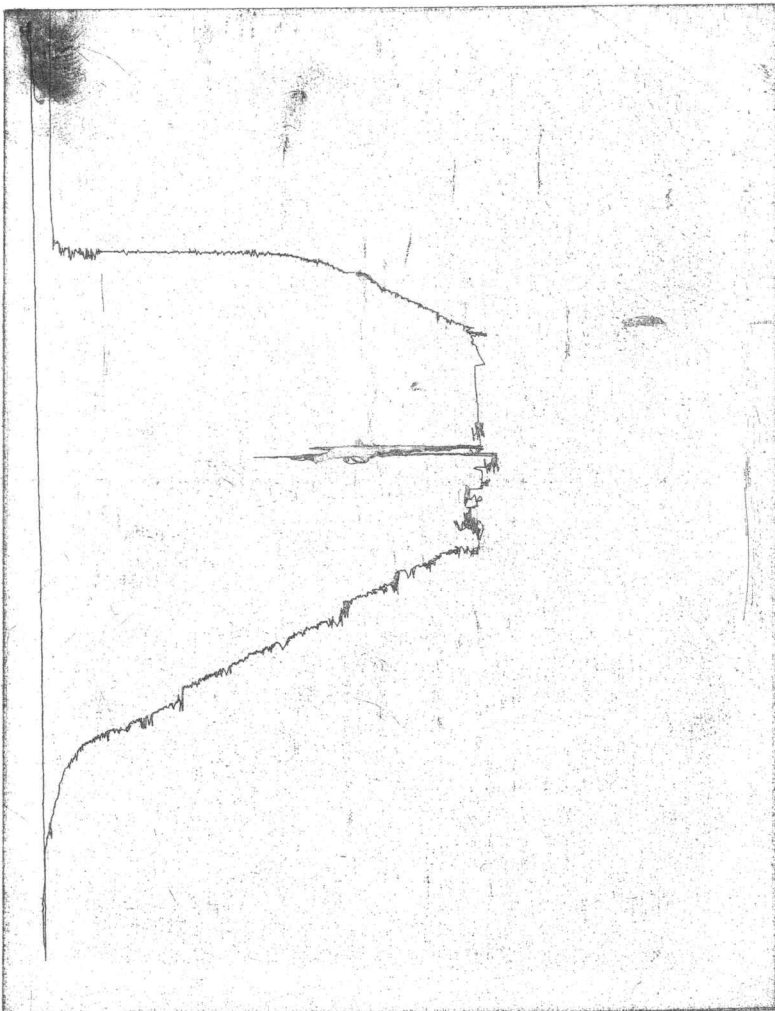
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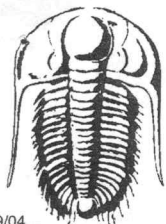
Approved By [Signature]
Our Representative Danny Oline

Final Flow <u> </u>	Mileage <u>✓</u> <u>160 total</u>
Final Shut-In <u> </u>	Sub Total: <u>1410</u>
T-On Location <u>10:30</u>	Std. By <u>7 hrs</u> <u>200</u>
T-Started <u>15:07</u>	Other <u>225</u>
T-Open <u> </u>	Total: <u>\$1835</u>
T-Pulled <u> </u>	
T-Out <u>02:31</u>	

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23521

9/04

Test Ticket

Well Name & No. <u>Red #1-3</u>	Test No. <u>2</u>	Date <u>2-13-06</u>
Company <u>Nash Oil & Gas Inc.</u>	Zone Tested <u>Miss</u>	
Address <u>P.O. Box 8747 Pratt, KS 67124</u>	Elevation <u>1287</u> KB <u>1278</u> GL	
Co. Rep / Geo. <u>Kim Shoemaker</u>	Cont. <u>Warren Drly. #9</u>	Est. Ft. of Pay <u>—</u> Por. <u>—</u> %
Location: Sec. <u>3</u> Twp. <u>34s</u> Rge. <u>6w</u> Co. <u>Harper</u> State <u>KS</u>		
No. of Copies <u>5</u> Distribution Sheet (Y, N) <u>—</u> Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>		

Interval Tested <u>4406 — 4547</u>	Initial Str Wt./Lbs. <u>72,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u>141'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>95,000</u>
Top Packer Depth <u>4401</u>	Tool Weight <u>2400</u>	
Bottom Packer Depth <u>4406</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4547</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>422</u>
Mud Wt. <u>9.7</u> LCM <u>600</u> Vis. <u>300</u> WL <u>13.6</u>	Drill Pipe Size <u>4 1/2"XH</u>	Ft. Run <u>3968</u>

Blow Description IF:
ISI: No blow.
FF: No blow.
ISI: No blow.

Recovery - Total Feet <u>70</u>	GIP <u>no</u>	Ft. in DC <u>70</u>	Ft. in DP <u>0</u>
Rec. <u>70</u>	Feet of <u>Drilling Mud</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
BHT <u>126</u> °F Gravity <u>—</u> °API D @ <u>—</u> °F Corrected Gravity <u>—</u> °API			
RW <u>—</u> @ <u>—</u> °F Chlorides <u>—</u> ppm Recovery <u>—</u> Chlorides <u>8000</u> ppm System			

(A) Initial Hydrostatic Mud	AK-1 <u>2248</u> PSI	Alpine	Recorder No. <u>6799</u>	Test <u>✓</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>48</u> PSI		(depth) <u>4413</u>	Jars <u>✓</u>	<u>200</u>
(C) First Final Flow Pressure	<u>63</u> PSI		Recorder No. <u>13400</u>	Safety Jt. <u>✓</u>	<u>50</u>
(D) Initial Shut-In Pressure	<u>780</u> PSI		(depth) <u>4544</u>	Circ Sub <u>✓</u>	<u>N/C</u>
(E) Second Initial Flow Pressure	<u>66</u> PSI		Recorder No. <u>—</u>	Sampler <u>—</u>	
(F) Second Final Flow Pressure	<u>64</u> PSI		(depth) <u>—</u>	Straddle <u>—</u>	
(G) Final Shut-In Pressure	<u>720</u> PSI	Initial Opening	<u>30</u>	Ext. Packer <u>—</u>	
(Q) Final Hydrostatic Mud	<u>2202</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer <u>—</u>	

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Approved By [Signature]
 Our Representative Darryl [Signature]

Final Flow 45
 Final Shut-In 60
 T-On Location 02:30
 T-Started 02:37
 T-Open 08:27
 T-Pulled 11:30
 T-Out 15:13

Test ✓ 1100
 Jars ✓ 200
 Safety Jt. ✓ 50
 Circ Sub ✓ N/C
 Sampler —
 Straddle —
 Ext. Packer —
 Shale Packer —
 Ruined Packer ✓ 1 packer 200
 Mileage ✓ 160 total 160
 Sub Total: 1710
 Std. By ✓ 3 3/4 hrs 187.5
 Other —
 Total: 1897.5

CHART PAGE

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

