

6-4s-14e

CONFIDENTIAL

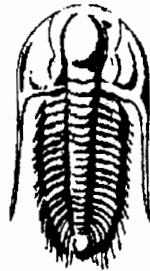
ORIGINAL

KCC

JUL 03 2002

CONFIDENTIAL

Released
AUG 14 2004
FROM
CCH/PL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Kinney Oil Company**

1401 17ST ste 870
Denver, CO 80202

ATTN: Jeremy F. Kinney

6-4s-14e

B King #1-6

Start Date: 2002.03.29 @ 15:18:21

End Date: 2002.03.30 @ 01:12:21

Job Ticket #: 15598 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Kinney Oil Company

B King #1-6

6-4s-14e

DST # 1

Simpson

2002.03.29

CONFIDENTIAL


**TRILOBITE
TESTING, INC.**
DRILL STEM TEST REPORT

Kinney Oil Company

B King #1-6

1401 17ST ste 870
Denver, CO 80202

6-4s-14e

Job Ticket: 15598

DST#: 1

ATTN: Jeremy F. Kinney

Test Start: 2002.03.29 @ 15:18:21

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:24:51

Time Test Ended: 01:12:21

Interval: 3588.00 ft (KB) To 3620.00 ft (KB) (TVD)

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

KCC

JUL 03 2002

CONFIDENTIAL

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Reference Elevations: 1239.00 ft (KB)

1229.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 3017

Inside

Press@RunDepth: 101.04 psig @ 3589.01 ft (KB)

Start Date: 2002.03.29

End Date:

2002.03.30

Start Time: 15:18:22

End Time:

01:12:21

Capacity: 7000.00 psig

Last Calib.: 2002.03.30

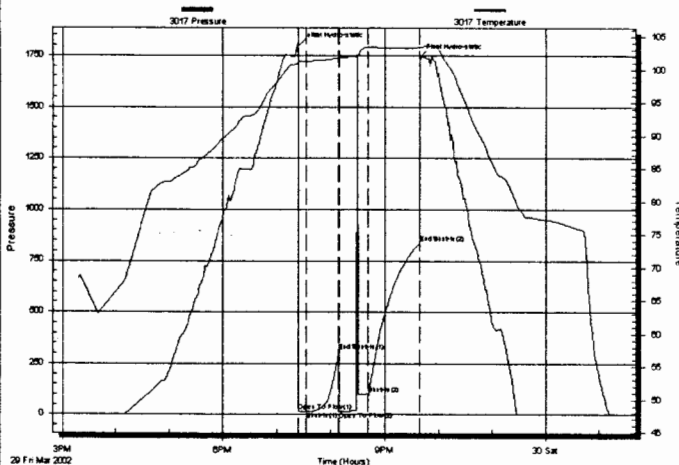
Time On Btm: 2002.03.29 @ 19:24:21

Time Off Btm: 2002.03.29 @ 21:38:51

TEST COMMENT: IF-Weak Dead in 3 min.

FF-Dead Flush tool lost 30' mud in hole

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.70	101.02	Initial Hydro-static
1	15.20	101.13	Open To Flow (1)
8	17.15	101.30	Shut-In(1)
45	309.56	101.74	End Shut-In(1)
45	17.44	101.76	Open To Flow (2)
76	101.04	103.40	Shut-In(2)
134	838.08	103.36	End Shut-In(2)
135	1738.28	103.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	0.74

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kinney Oil Company

1401 17ST ste 870
Denver, CO 80202

ATTN: Jeremy F. Kinney

B King #1-6

6-4s-14e

Job Ticket: 15598

DST#: 1

Test Start: 2002.03.29 @ 15:18:21

Tool Information

Drill Pipe:	Length: 3279.00 ft	Diameter: 2.50 inches	Volume: 19.91 bbl	Tool Weight: 2500.00 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: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 21.42 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3588.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.02 ft			
Tool Length:	59.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3562.00		
S.I. Tool	5.00			3567.00		
HMV	5.00			3572.00		
Jars	5.00			3577.00		
Safety Joint	2.00			3579.00		
Packer	4.00			3583.00	27.00	Bottom Of Top Packer
Packer	5.00			3588.00		
Stubb	1.00			3589.00		
Recorder	0.01	3017	Inside	3589.01		
Perforations	28.00			3617.01		
Recorder	0.01	13308	Outside	3617.02		
Bullnose	3.00			3620.02	32.02	Bottom Packers & Anchor

Total Tool Length: 59.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Kinney Oil Company

B King #1-6

1401 17ST ste 870
Denver, CO 80202

6--4s--14e

Job Ticket: 15598

DST#: 1

ATTN: Jeremy F. Kinney

Test Start: 2002.03.29 @ 15:18:21

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 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
150.00	Mud	0.738

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

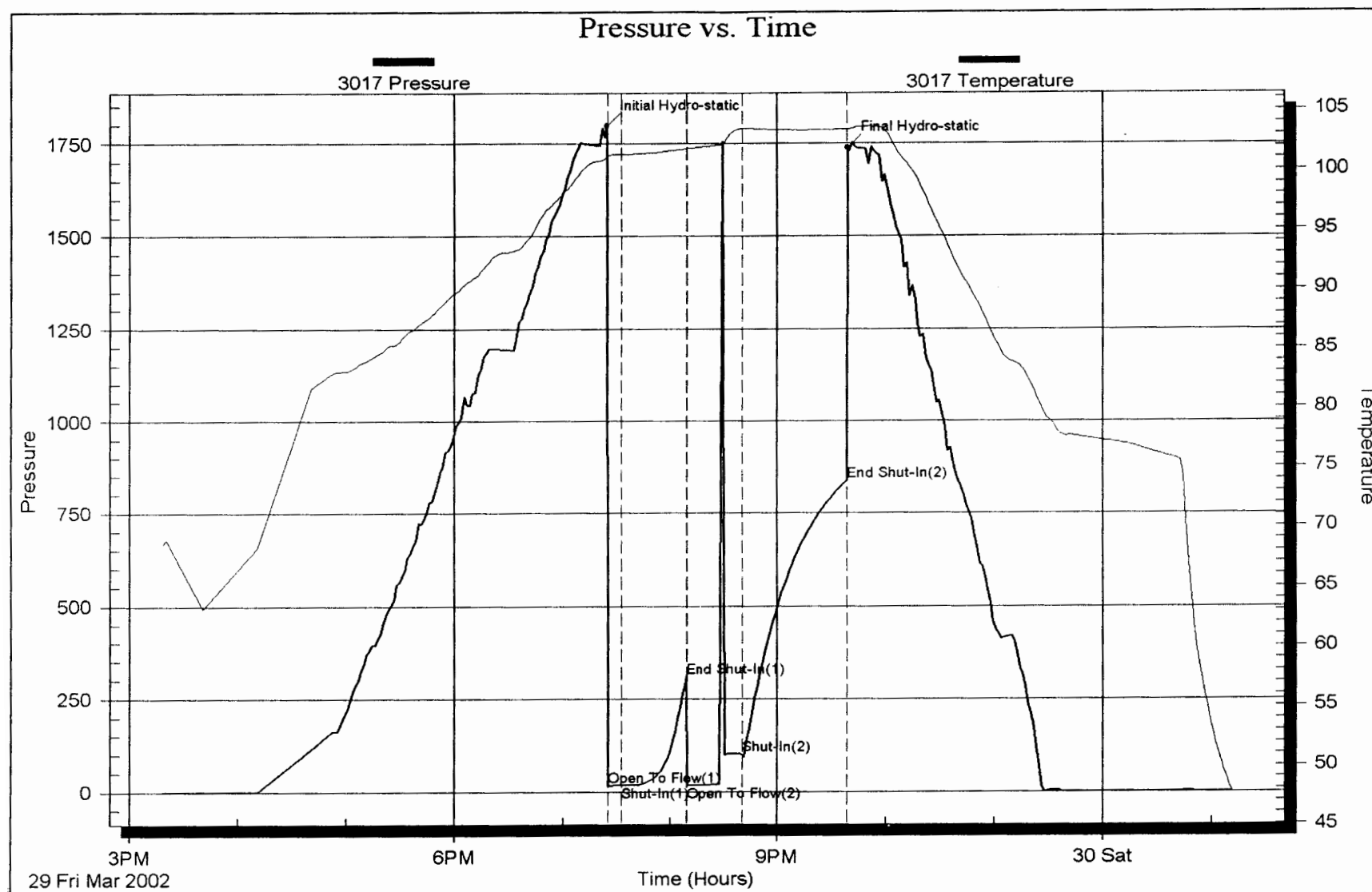
Recovery Comments:

Serial #: 3017

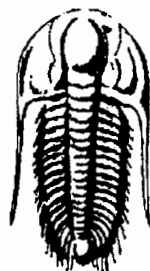
Inside Kinney Oil Company

6--4s--14e

DST Test Number: 1



Release
4/10/2004
From
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Kinney Oil Company**

1401 17ST ste 870
Denver, CO 80202

ATTN: Jeremy F. Kinney

6-4s-14e

B King #1-6

Start Date: 2002.03.30 @ 11:30:57

End Date: 2002.03.30 @ 21:21:27

Job Ticket #: 15599 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

Kinney Oil Company

1401 17ST ste 870
Denver, CO 80202

ATTN: Jeremy F. Kinney

B King #1-6

6-4s-14e

Job Ticket: 15599

DST#: 2

Test Start: 2002.03.30 @ 11:30:57

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:46:57

Time Test Ended: 21:21:27

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3624.00 ft (KB) To 3639.00 ft (KB) (TVD)**

Total Depth: 3639.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1239.00 ft (KB)

1229.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 3017 Inside

Press@RunDepth: 27.76 psig @ 3625.01 ft (KB)

Start Date: 2002.03.30

End Date:

2002.03.30

Start Time: 11:30:58

End Time:

21:21:27

Capacity: 7000.00 psig

Last Calib.: 2002.03.30

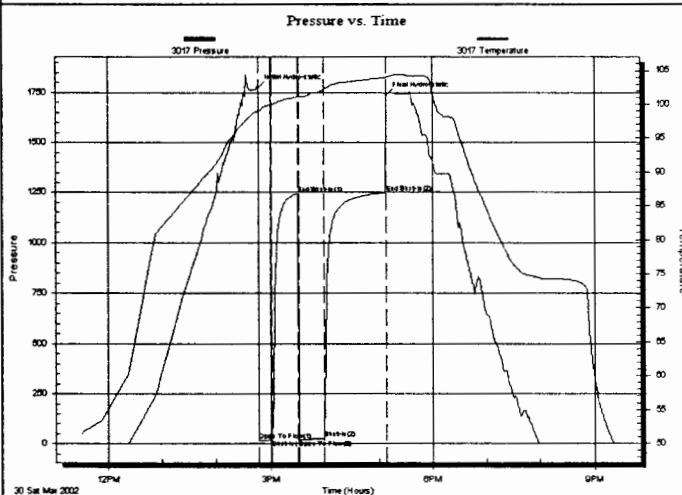
Time On Btm: 2002.03.30 @ 14:46:27

Time Off Btm: 2002.03.30 @ 17:08:57

TEST COMMENT: IF-Dead

FF-Dead Flush Tool no help

- FSI- pulled 10 min. late no air pres.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.83	98.93	Initial Hydro-static
1	15.64	99.01	Open To Flow (1)
15	19.43	99.99	Shut-in(1)
44	1243.73	101.05	End Shut-in(1)
46	19.75	101.12	Open To Flow (2)
74	27.76	102.22	Shut-in(2)
142	1248.38	103.97	End Shut-in(2)
143	1734.20	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kinney Oil Company

1401 17ST ste 870
Denver, CO 80202

ATTN: Jeremy F. Kinney

B King #1-6

6-4s-14e

Job Ticket: 15599

DST#: 2

Test Start: 2002.03.30 @ 11:30:57

Tool Information

Drill Pipe:	Length: 3322.00 ft	Diameter: 2.50 inches	Volume: 20.17 bbl	Tool Weight:	2500.00 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: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	21.68 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3624.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.02 ft				
Tool Length:	42.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3598.00	
S.I. Tool	5.00			3603.00	
HMV	5.00			3608.00	
Jars	5.00			3613.00	
Safety Joint	2.00			3615.00	
Packer	4.00			3619.00	27.00 Bottom Of Top Packer
Packer	5.00			3624.00	
Stubb	1.00			3625.00	
Recorder	0.01	3017	Inside	3625.01	
Perforations	11.00			3636.01	
Recorder	0.01	13308	Outside	3636.02	
Bullnose	3.00			3639.02	15.02 Bottom Packers & Anchor

Total Tool Length: 42.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Kinney Oil Company

B King #1-6

1401 17ST ste 870
Denver, CO 80202

6--4s--14e

Job Ticket: 15599

DST#: 2

ATTN: Jeremy F. Kinney

Test Start: 2002.03.30 @ 11:30:57

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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 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
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

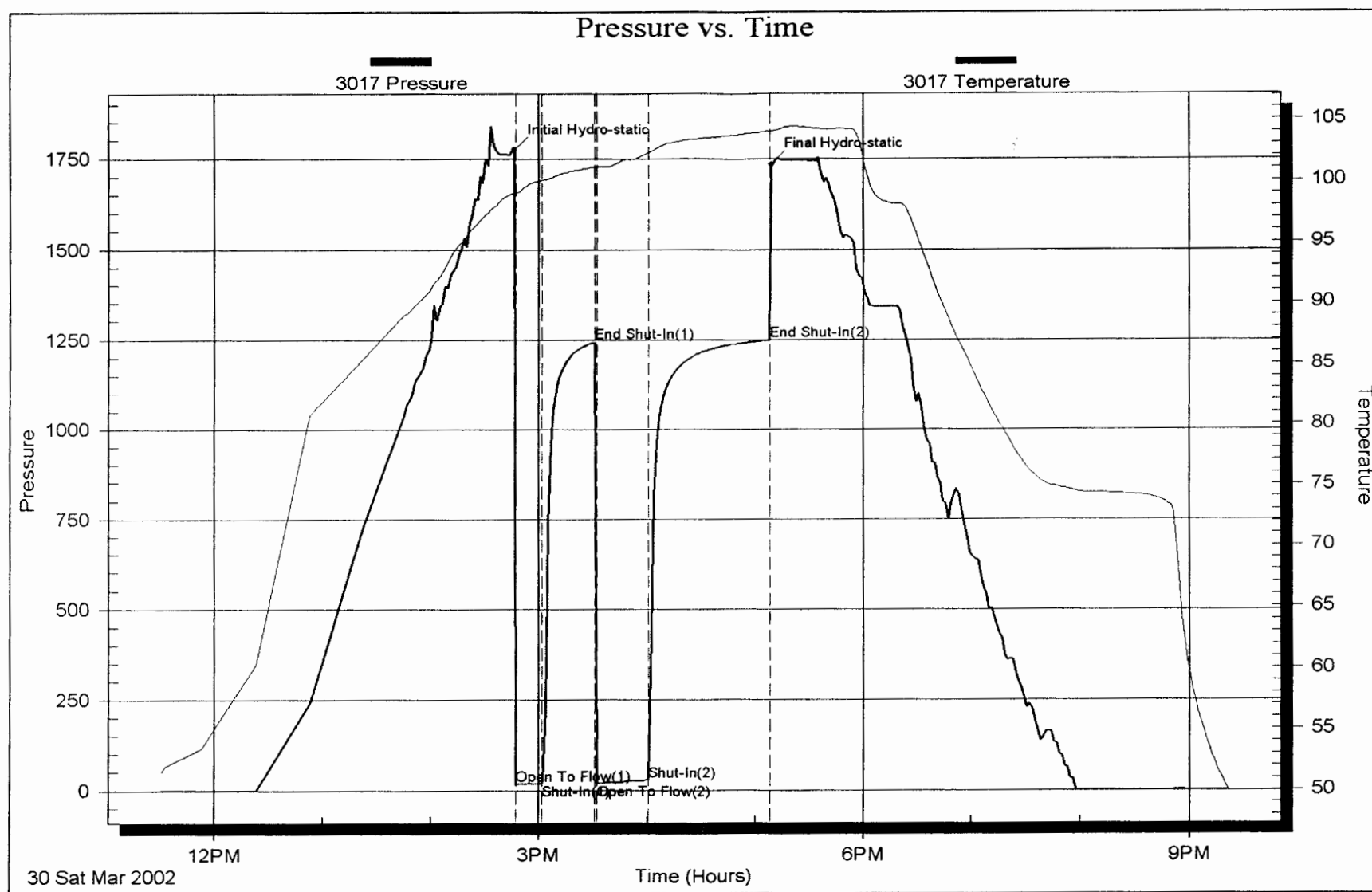
Num Gas Bombs: 0

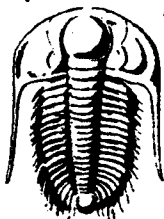
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15598

Test Ticket

Well Name & No. <u>B. KING #1-6</u>	Test No. <u>#1</u>	Date <u>3-29-02</u>
Company <u>KENNEY OIL CO.</u>	Zone Tested <u>SIMPSON</u>	
Address <u>1401 17TH ST, STE 870 DENVER, CO. 80202</u>	Elevation <u>1239</u>	KB <u>1229</u> GL
Co. Rep / Geo. <u>STEVE DAVIS</u>	Cont. <u>SUMMIT</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>6</u>	Twp. <u>4S</u>	Rge. <u>14E</u> Co. <u>NEMANA</u> State <u>KS.</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3588 TO 3620</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>49,000</u>
Anchor Length <u>32'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>53,000</u>
Top Packer Depth <u>3583</u>	Tool Weight <u>2,500</u>	
Bottom Packer Depth <u>3588</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3620'</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>307</u>
Mud Wt. <u>9.4</u> LCM <u>6-7</u> Vis. <u>43</u> WL <u>8.8</u>	Drill Pipe Size <u>3 1/2 IF</u>	Ft. Run <u>3279</u>
Blow Description <u>I-F-WEAK DEAD IN 3 MIN.</u>		
<u>FF DEAD FLUSH TOOL LOST 30' MUD</u>		

Recovery — Total Feet <u>150'</u>	GIP <u> </u>	Ft. in DC <u>150'</u>	Ft. in DP <u>0</u>
Rec. <u>150'</u>	Feet Of <u>MUD</u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
BHT <u>103</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>
RW <u> </u> @ <u> </u>	°F Chlorides <u> </u>	ppm Recovery Chlorides <u> </u>	ppm System <u> </u>

(A) Initial Hydrostatic Mud	AK-1 <u>1765</u>	Alpine <u> </u>	PSI Recorder No. <u>3017</u>	T-On Location <u>12:00</u>
(B) First Initial Flow Pressure	<u>15</u>	PSI (depth) <u>3589</u>	T-Started <u>15:18</u>	
(C) First Final Flow Pressure	<u>17</u>	PSI Recorder No. <u>13308</u>	T-Open <u>19:24</u>	
(D) Initial Shut-In Pressure	<u>309</u>	PSI (depth) <u>3617</u>	T-Pulled <u>21:39</u>	
(E) Second Initial Flow Pressure	<u>17</u>	PSI Recorder No. <u> </u>	T-Out <u>01:12</u>	
(F) Second Final Flow Pressure	<u>101</u>	PSI (depth) <u> </u>	T-Off Location <u>02:00</u>	
(G) Final Shut-in Pressure	<u>838</u>	PSI Initial Opening <u>15</u>	Test <u>BOTTOM HOLE 700</u>	
(Q) Final Hydrostatic Mud	<u>1738</u>	PSI Initial Shut-in <u>30</u>	Jars <u>✓</u> <u>200</u>	

Final Flow <u>30</u>	Safety Joint <u>✓</u> <u>50</u>
Final Shut-in <u>60</u>	Straddle <u> </u>

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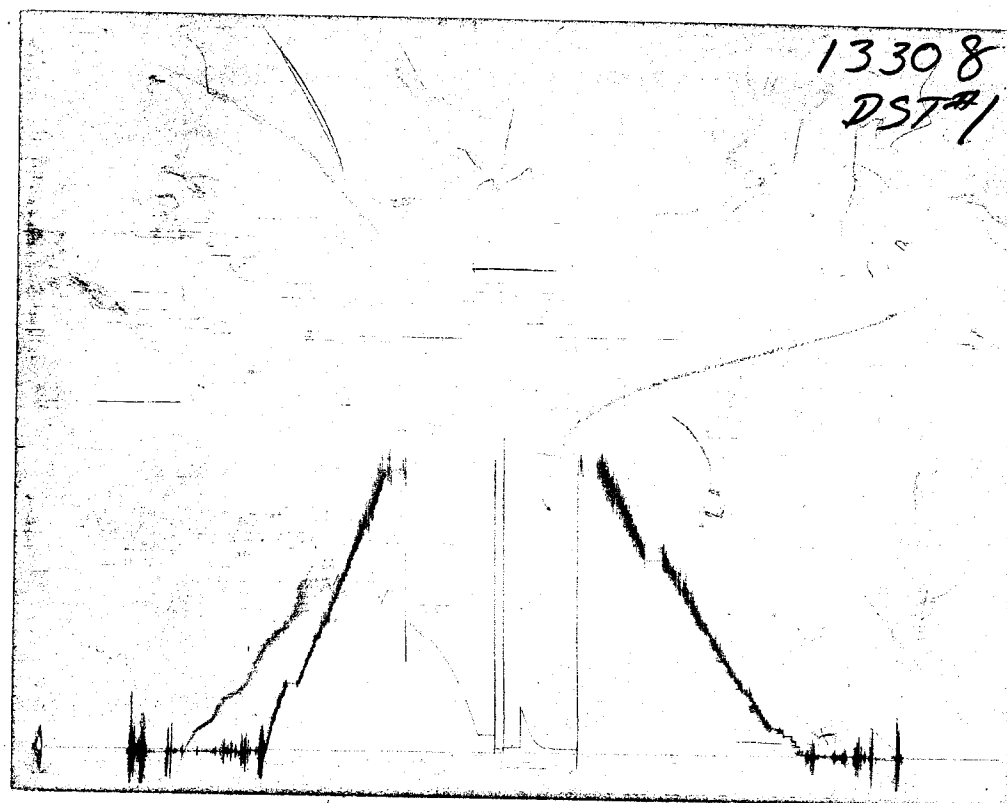
Approved By T.C. Janson

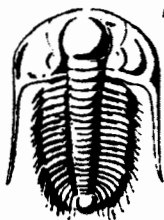
Our Representative Paul J. Schmidt

Extra Packer <u> </u>
Elec. Rec. <u>✓</u> <u>150</u>
Mileage <u>255</u>
Other <u>5hrs</u> <u>120</u> <u>60</u>
TOTAL PRICE \$ <u>1535</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 15599

Test Ticket

Well Name & No. <u>R-KING #1-6</u>	Test No. <u>#2</u>	Date <u>3-30-02</u>
Company <u>KINNEY OIL CO.</u>	Zone Tested <u>SIMPSON</u>	
Address <u>1401 17TH ST. STE 870 DENVER, CO. 80202</u>		Elevation <u>1239</u> KB <u>1229</u> GL
Co. Rep / Geo. <u>STEVE DAVIS</u>	Cont. <u>SUMMIT</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>6</u>	Twp. <u>4 S</u>	Rge. <u>14 E</u> Co. <u>NEMAH</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3624 To 3639</u>	Initial Str Wt./Lbs. <u>52,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u>15'</u>	Wt. Set Lbs. <u>29,000</u>	Wt. Pulled Loose/Lbs. <u>55,000</u>
Top Packer Depth <u>3619</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3624</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3639</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>307</u>
Mud Wt. <u>9.4</u> LCM <u>7</u> Vis. <u>42</u> WL <u>8.4</u>	Drill Pipe Size <u>3 1/2 IF.</u>	Ft. Run <u>3322</u>
Blow Description <u>IF- DEAD</u>		
<u>FF. DEAD FLUSH TOOL NO HELP</u>		

FSI PULL 10 MIN LATE NO AIR PRES.

Recovery — Total Feet <u>5'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>5'</u>	Feet Of <u>MUD</u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
BHT <u>103</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>
RW <u> </u> @ <u> </u>	°F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u> </u> ppm System <u> </u>

(A) Initial Hydrostatic Mud	AK-1 <u>1775</u>	Alpine <u>1775</u>	PSI Recorder No. <u>3017</u>	T-On Location <u>10:45</u>
(B) First Initial Flow Pressure	<u>15</u>	PSI (depth) <u>3625</u>	T-Started <u>11:30</u>	
(C) First Final Flow Pressure	<u>19</u>	PSI Recorder No. <u>13308</u>	T-Open <u>14:46</u>	10:36
(D) Initial Shut-In Pressure	<u>1243</u>	PSI (depth) <u>3636</u>	T-Pulled <u>17:11</u>	
(E) Second Initial Flow Pressure	<u>19</u>	PSI Recorder No. <u> </u>	T-Out <u>21:21</u>	
(F) Second Final Flow Pressure	<u>27</u>	PSI (depth) <u> </u>	T-Off Location <u>22:15</u>	
(G) Final Shut-in Pressure	<u>1248</u>	PSI Initial Opening <u>15</u>	Test <u>BOTTOM HOLE</u>	700
(Q) Final Hydrostatic Mud	<u>1734</u>	PSI Initial Shut-in <u>30</u>	Jars <u>✓</u> <u>200</u>	
		Final Flow <u>30</u>	Safety Joint <u>✓</u> <u>50</u>	
		Final Shut-in <u>70-60</u>	Straddle <u> </u>	
			Circ. Sub <u> </u>	
			Sampler <u> </u>	
			Extra Packer <u> </u>	
			Elec. Rec. <u>✓</u> <u>150</u>	
			Mileage <u>20</u>	
			Other <u>2.5</u> <u>75 + 400</u>	
			TOTAL PRICE \$ <u>1595</u>	

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Approved By T.C. Johnson

Our Representative John F. Schmidt

Released 7:pm 3/31
Stdbby 400

CHART PAGE

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

