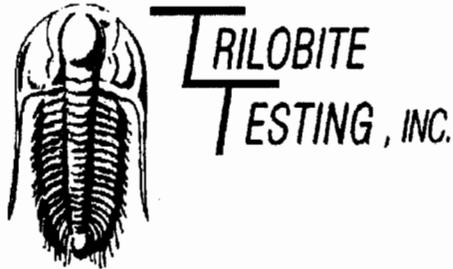


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DRILL STEM TEST REPORT

Prepared For: **Castelli Expl.Inc.**

6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

9-31s-16w Comanche K

Hashknife#1-9

Start Date: 2005.12.03 @ 12:25:24

End Date: 2005.12.04 @ 00:01:24

Job Ticket #: 22003 DST #: 1

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22003 **DST#: 1**
Test Start: 2005.12.03 @ 12:25:24

GENERAL INFORMATION:

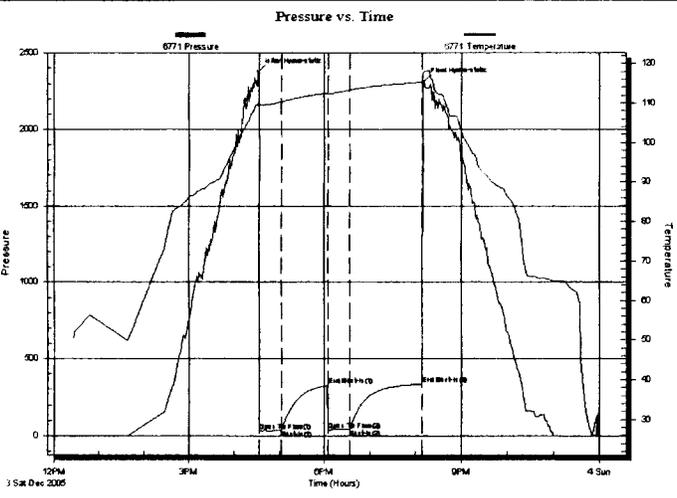
Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:33:54
Time Test Ended: 00:01:24
Interval: **4849.00 ft (KB) To 4905.00 ft (KB) (TVD)**
Total Depth: 4905.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 2047.00 ft (KB)
2034.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6771

Inside

Press@RunDepth: 45.45 psig @ 4850.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.12.03 End Date: 2005.12.04 Last Calib.: 2005.12.04
Start Time: 12:25:29 End Time: 00:01:24 Time On Btmr: 2005.12.03 @ 16:32:09
Time Off Btmr: 2005.12.03 @ 20:10:39

TEST COMMENT: F: Fair to strong blow . B.O.B. in 23 mins.
IS: No blow .
FF: Strong blow . B.O.B. in 5 secs.
FSI: No blow .



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2378.18	109.52	Initial Hydro-static
2	30.09	109.27	Open To Flow (1)
31	36.15	110.24	Shut-In(1)
92	324.98	112.45	End Shut-In(1)
92	38.96	112.36	Open To Flow (2)
121	45.45	113.25	Shut-In(2)
217	334.80	115.28	End Shut-In(2)
219	2313.51	117.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	Drlg.mud	0.30
0.00	450 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22003 **DST#: 1**
Test Start: 2005.12.03 @ 12:25:24

Tool Information

Drill Pipe:	Length: 4410.00 ft	Diameter: 3.80 inches	Volume: 61.86 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: 427.00 ft	Diameter: 2.25 inches	Volume: 2.10 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 63.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4849.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 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			4823.00	
Shut In Tool	5.00			4828.00	
Hydraulic tool	5.00			4833.00	
Jars	5.00			4838.00	
Safety Joint	2.00			4840.00	
Packer	4.00			4844.00	27.00 Bottom Of Top Packer
Packer	5.00			4849.00	
Stubb	1.00			4850.00	
Recorder	0.00	6771	Inside	4850.00	
Perforations	16.00			4866.00	
Change Over Sub	1.00			4867.00	
Blank Spacing	32.00			4899.00	
Change Over Sub	1.00			4900.00	
Recorder	0.00	13222	Outside	4900.00	
Bullnose	5.00			4905.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22003 DST#: 1
Test Start: 2005.12.03 @ 12:25:24

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:	6000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.18 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Drig.mud	0.300
0.00	450 ft. of GIP	0.000

Total Length: 61.00 ft Total Volume: 0.300 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

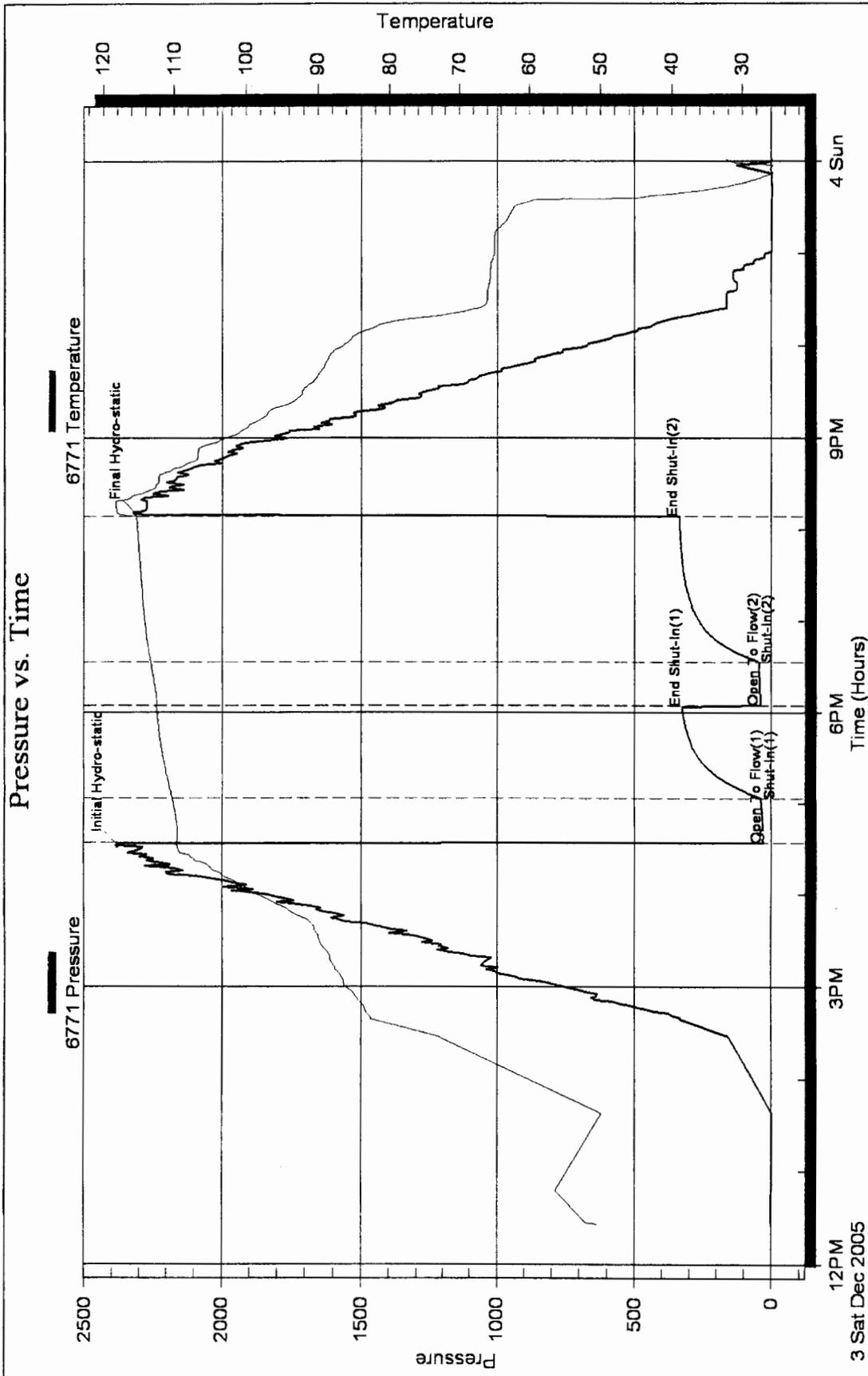
Serial #: 6771

Inside

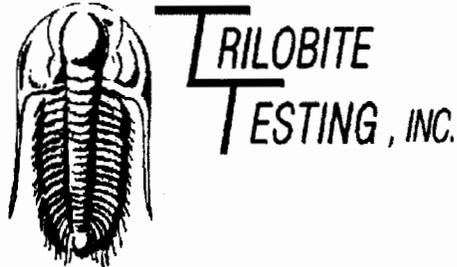
Castelli Expl. Inc.

9-31s-16w Comanche K

DST Test Number: 1



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DRILL STEM TEST REPORT

Prepared For: **Castelli Expl.Inc.**

6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

9-31s-16w Comanche K

Hashknife#1-9

Start Date: 2005.12.04 @ 10:23:25

End Date: 2005.12.04 @ 18:01:10

Job Ticket #: 22004 DST #: 2

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Castelli Expl.Inc.

Hashknife#1-9

9-31s-16w Comanche K

DST # 2

Miss.

2005.12.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

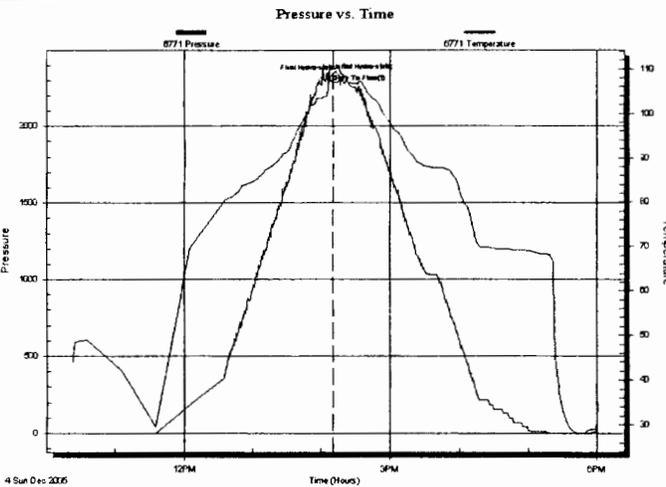
Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22004 DST#: 2
Test Start: 2005.12.04 @ 10:23:25

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:10:40
Time Test Ended: 18:01:10
Interval: **4875.00 ft (KB) To 4936.00 ft (KB) (TVD)**
Total Depth: 4936.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 2047.00 ft (KB)
2034.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6771 Inside
Press@RunDepth: psig @ 4876.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.12.04 End Date: 2005.12.04 Last Calib.: 2005.12.04
Start Time: 10:23:30 End Time: 18:01:09 Time On Btm: 2005.12.04 @ 14:06:55
Time Off Btm: 2005.12.04 @ 14:18:10

TEST COMMENT: F:Strong blow. Packers failing! MSRUN



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2314.40	110.04	Initial Hydro-static
4	2288.03	110.18	Open To Flow (1)
12	2310.31	108.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
244.00	Drig. mud	1.20

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22004 **DST#: 2**
Test Start: 2005.12.04 @ 10:23:25

Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 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: 22000.00 lb
Drill Collar:	Length: 427.00 ft	Diameter: 2.25 inches	Volume: 2.10 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 64.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4875.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	88.00 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			4849.00	
Shut In Tool	5.00			4854.00	
Hydraulic tool	5.00			4859.00	
Jars	5.00			4864.00	
Safety Joint	2.00			4866.00	
Packer	4.00			4870.00	27.00 Bottom Of Top Packer
Packer	5.00			4875.00	
Stubb	1.00			4876.00	
Recorder	0.00	6771	Inside	4876.00	
Perforations	8.00			4884.00	
Change Over Sub	1.00			4885.00	
Blank Spacing	32.00			4917.00	
Change Over Sub	1.00			4918.00	
Perforations	13.00			4931.00	
Recorder	0.00	13222	Outside	4931.00	
Bullnose	5.00			4936.00	61.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22004 DST#: 2
Test Start: 2005.12.04 @ 10:23:25

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.38 in ²	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
244.00	Drig.mud	1.200

Total Length: 244.00 ft Total Volume: 1.200 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

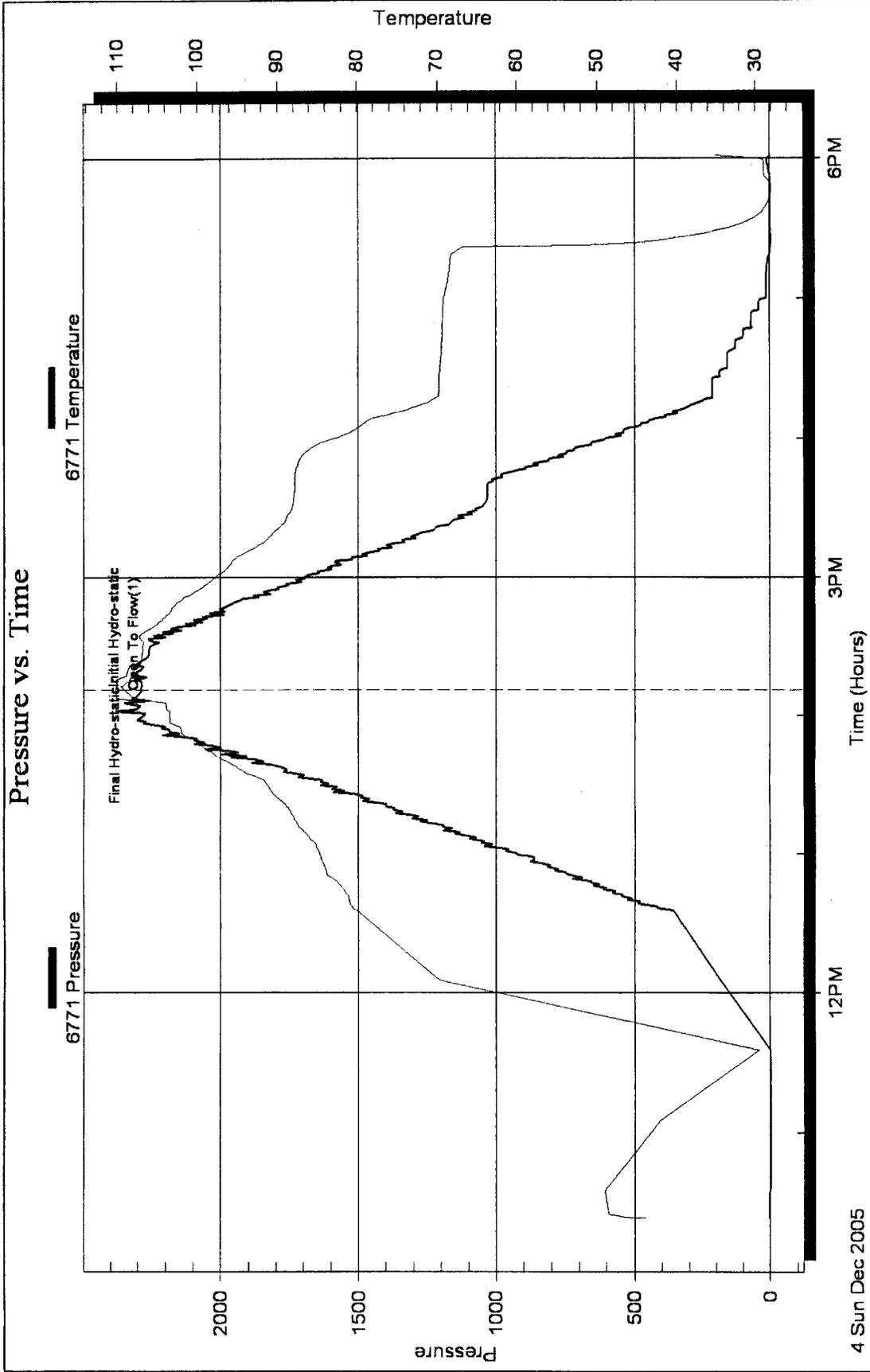
Serial #: 6771

Inside

Castelli Expl. Inc.

9-31s-16w Comanche K

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castelli Expl.Inc.**

6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

9-31s-16w Comanche K

Hashknife#1-9

Start Date: 2005.12.04 @ 18:10:50

End Date: 2005.12.05 @ 05:52:50

Job Ticket #: 22005 DST #: 3

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castelli Expl. Inc.
 6908 NW 112th St.
 Oklahoma City OK 73162
 ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
 Job Ticket: 22005 **DST#: 3**
 Test Start: 2005.12.04 @ 18:10:50

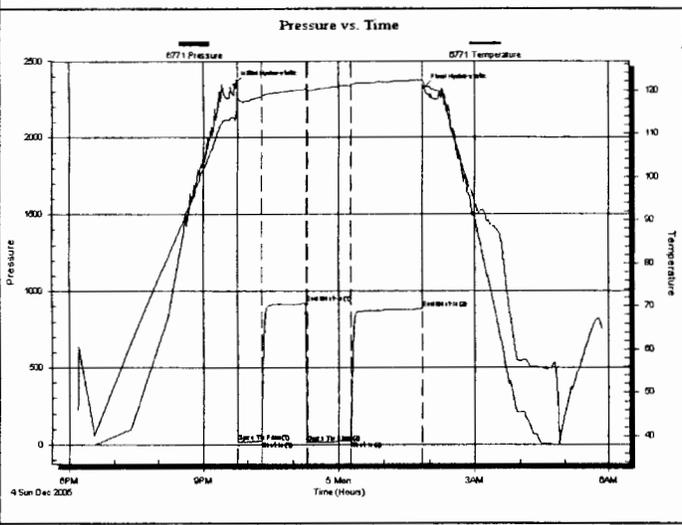
GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 21:46:50
 Time Test Ended: 05:52:50
 Interval: **4914.00 ft (KB) To 4936.00 ft (KB) (TVD)**
 Total Depth: **4936.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole**
 Tester: **Gary Pevoteaux**
 Unit No: **23**
 Reference Elevations: **2047.00 ft (KB)**
2034.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6771

Inside
 Press@RunDepth: **25.88 psig @ 4915.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2005.12.04** End Date: **2005.12.05** Last Calib.: **2005.12.05**
 Start Time: **18:10:55** End Time: **05:52:50** Time On Btm: **2005.12.04 @ 21:42:20**
 Time Off Btm: **2005.12.05 @ 01:52:35**

TEST COMMENT: F:Strong blow . B.O.B. in 2 1/2 mins.
 IS:No blow .
 FF:Strong blow . GTS in 6 mins.(see gas flow report)
 FS:No blow .



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2345.93	113.19	Initial Hydro-static
5	17.02	118.60	Open To Flow (1)
36	22.42	118.43	Shut-In(1)
96	918.37	120.25	End Shut-In(1)
97	12.92	120.00	Open To Flow (2)
154	25.88	121.11	Shut-In(2)
249	881.59	122.37	End Shut-In(2)
251	2322.60	121.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drig. mud	0.49

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	1.50	25.22
Max. Gas Rate	0.25	2.00	26.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22005 DST#: 3
Test Start: 2005.12.04 @ 18:10:50

ATTN: Tom Castelli

Tool Information

Drill Pipe:	Length: 4472.00 ft	Diameter: 3.80 inches	Volume: 62.73 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: 22000.00 lb
Drill Collar:	Length: 427.00 ft	Diameter: 2.25 inches	Volume: 2.10 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 64.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4914.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 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			4888.00	
Shut In Tool	5.00			4893.00	
Hydraulic tool	5.00			4898.00	
Jars	5.00			4903.00	
Safety Joint	2.00			4905.00	
Packer	4.00			4909.00	27.00 Bottom Of Top Packer
Packer	5.00			4914.00	
Stubb	1.00			4915.00	
Recorder	0.00	6771	Inside	4915.00	
Perforations	16.00			4931.00	
Recorder	0.00	13222	Outside	4931.00	
Bullnose	5.00			4936.00	22.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22005 **DST#: 3**
Test Start: 2005.12.04 @ 18:10:50

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:	6000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Drig.mud	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 22005 DST#: 3
Test Start: 2005.12.04 @ 18:10:50

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)
2	10	0.25	2.00	26.02
2	20	0.25	2.00	26.02
2	30	0.25	2.00	26.02
2	40	0.25	2.00	26.02
2	50	0.25	1.50	25.22
2	60	0.25	1.50	25.22

Serial #: 6771

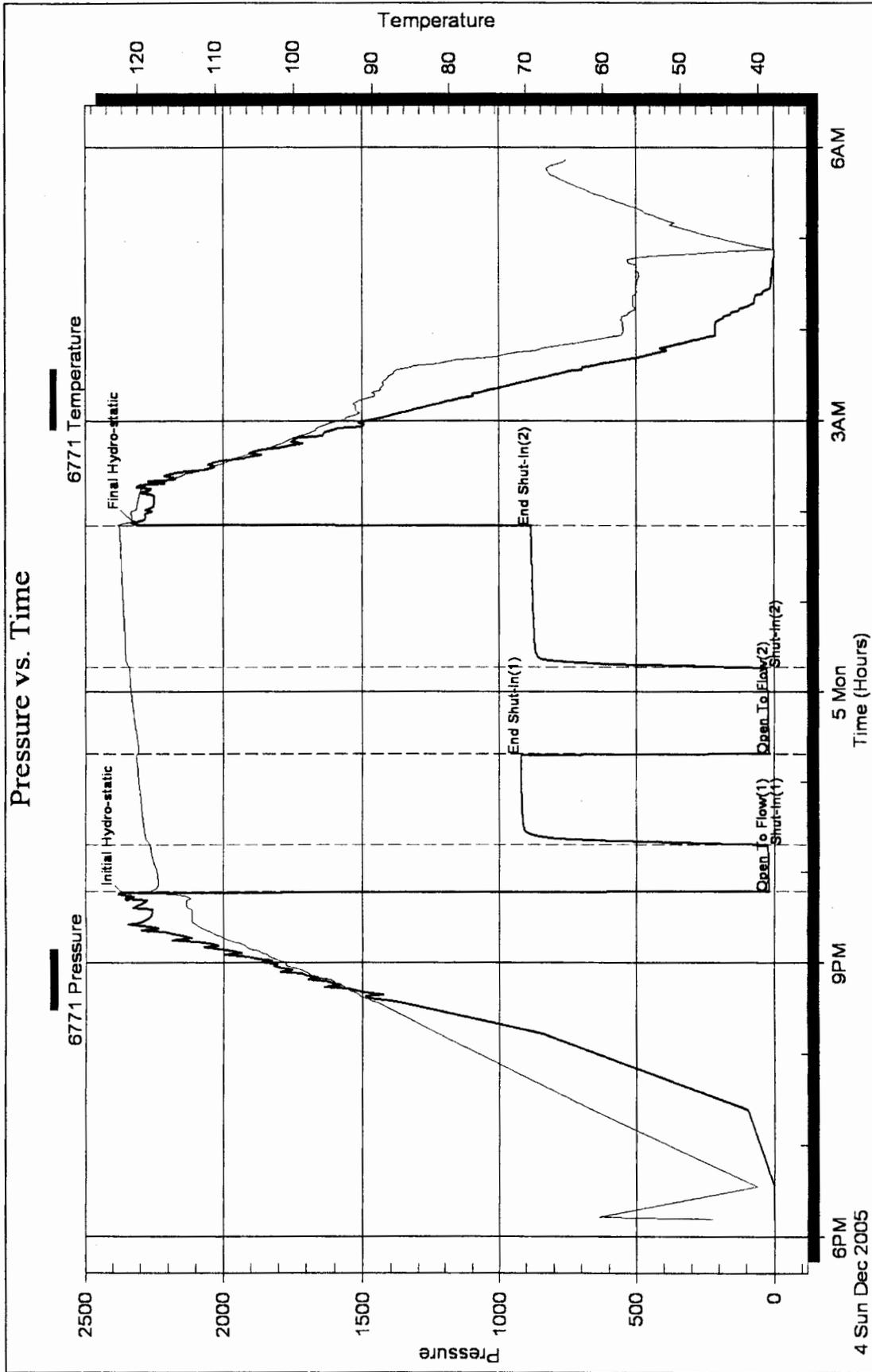
Inside

Castelli Expl. Inc.

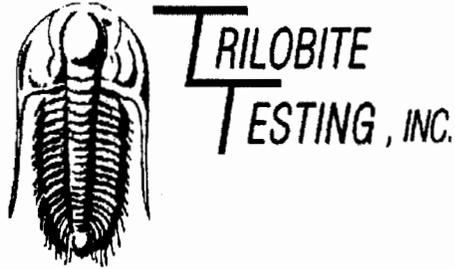
9-31s-16w Comanche K

DST Test Number: 3

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **Castelli Expl.Inc.**

6908 NW 112th St.
Oklahoma City OK 73162

ATTN: Tom Castelli

9-31s-16w Comanche K

Hashknife#1-9

Start Date: 2005.12.05 @ 20:10:05

End Date: 2005.12.06 @ 08:57:50

Job Ticket #: 21936 DST #: 4

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

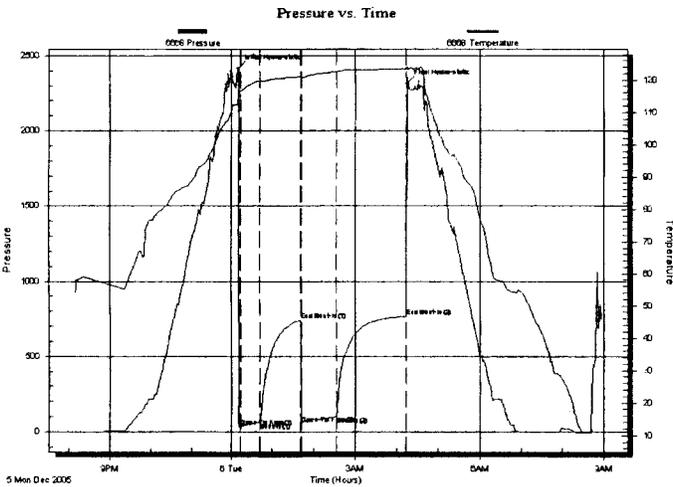
Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 21936 **DST#: 4**
Test Start: 2005.12.05 @ 20:10:05

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 00:12:50
Time Test Ended: 08:57:50
Interval: **4938.00 ft (KB) To 4955.00 ft (KB) (TVD)**
Total Depth: **4955.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Reference Elevations: **2047.00 ft (KB)**
2034.00 ft (CF)
KB to GR/CF: **13.00 ft**
Test Type: **Conventional Bottom Hole**
Tester: **Jake Fahrenbruch**
Unit No: **30**

Serial #: 6668 **Inside**
Press@RunDepth: **98.22 psig @ 4939.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.12.05** End Date: **2005.12.06** Last Calib.: **2005.12.06**
Start Time: **20:10:06** End Time: **08:57:50** Time On Btm: **2005.12.06 @ 00:10:35**
Time Off Btm: **2005.12.06 @ 04:14:05**

TEST COMMENT: IF: Strong blow, BOB 30 seconds.
IS: Bled off, blow back building to BOB.
FF: Strong blow, BOB immediately. GTS 23 minutes.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.38	112.90	Initial Hydro-static
3	30.44	116.27	Open To Flow (1)
32	65.52	119.84	Shut-In(1)
92	741.71	121.01	End Shut-In(1)
93	47.65	120.82	Open To Flow (2)
143	98.22	122.61	Shut-In(2)
243	765.93	123.59	End Shut-In(2)
244	2314.15	123.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbi)
30.00	GCOSM 10%g 3%o 87%m	0.15
180.00	HGCWMO 45%g 5%w 15%m 35%o	0.89
0.00	Gas in all fluid free pipe.	0.00
0.00	no check on RW or gravity	0.00
0.00	0	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.13	4.50	7.07
Max. Gas Rate	0.13	4.50	7.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 21936 **DST#: 4**
Test Start: 2005.12.05 @ 20:10:05

Tool Information

Drill Pipe:	Length: 4472.00 ft	Diameter: 3.80 inches	Volume: 62.73 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: 459.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 64.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	4938.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	44.00 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			4916.00	
Hydraulic tool	5.00			4921.00	
Jars	5.00			4926.00	
Safety Joint	2.00			4928.00	
Packer	5.00			4933.00	27.00 Bottom Of Top Packer
Packer	5.00			4938.00	
Stubb	1.00			4939.00	
Recorder	0.00	6668	Inside	4939.00	
Perforations	13.00			4952.00	
Recorder	0.00	13266	Outside	4952.00	
Bullnose	3.00			4955.00	17.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 21936 **DST#: 4**
Test Start: 2005.12.05 @ 20:10:05

ATTN: Tom Castelli

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.04 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GCOSM 10%g 3%o 87%m	0.148
180.00	HGCMMCO 45%g 5%w 15%m 35%o	0.885
0.00	Gas in all fluid free pipe.	0.000
0.00	no check on RW or gravity	0.000
0.00	0	0.000

Total Length: 210.00 ft Total Volume: 1.033 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Castelli Expl. Inc.
6908 NW 112th St.
Oklahoma City OK 73162
ATTN: Tom Castelli

Hashknife#1-9
9-31s-16w Comanche K
Job Ticket: 21936 **DST#: 4**
Test Start: 2005.12.05 @ 20:10:05

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)
2	30	0.25	1.00	24.43
2	30	0.25	1.00	24.43
2	40	0.13	1.50	5.95
2	50	0.13	3.00	6.51
2	60	0.13	4.50	7.07

Serial #: 6668

Inside Castelli Expl. Inc.

9-31s-16w Comanche K

DST Test Number: 4

Pressure vs. Time

