

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

1551 N. Waterfront Pkwy
Sta 150
Wichita KS 67206

ATTN: Doug McGinness

31-29S-11W

Carla #1

Start Date: 2005.06.19 @ 19:03:50

End Date: 2005.06.20 @ 00:57:35

Job Ticket #: 20712 DST #: 1

RECEIVED
NOV 08
KCC WI

CMX, Inc.

Carla #1

31-29S-11W

DST # 1

Burlingame

2005.06.19

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX, Inc.

Carla #1

1551 N. Waterfront Pkwy
Ste 150
Wichita KS 67206
ATTN: Doug McGinness

31-29S-11W

Job Ticket: 20712

DST#: 1

Test Start: 2005.06.19 @ 19:03:50

Tool Information

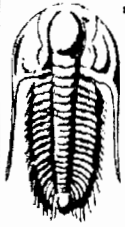
Drill Pipe:	Length: 2979.79 ft	Diameter: 3.80 inches	Volume: 41.80 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.21 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 42.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3110.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	69.00 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			3082.00	
Shut In Tool	5.00			3087.00	
Hydraulic tool	5.00			3092.00	
Jars	5.00			3097.00	
Safety Joint	3.00			3100.00	
Packer	5.00			3105.00	29.00 Bottom Of Top Packer
Packer	5.00			3110.00	
Stubb	1.00			3111.00	
Recorder	0.00	6668	Inside	3111.00	
Perforations	36.00			3147.00	
Recorder	0.00	13266	Outside	3147.00	
Bullnose	3.00			3150.00	40.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.
1551 N. Waterfront Pkwy
Ste 150
Wichita KS 67206
ATTN: Doug McGinness

Carla #1
31-29S-11W
Job Ticket: 20712 DST#: 1
Test Start: 2005.06.19 @ 19:03:50

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:	40000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.98 in ³	Gas Cushion Type:		
Resistivity: 0.60 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Trace of gip	0.000
130.00	SG&OCWM 15%gas 5%oil 20%w ater 60%mu	0.719

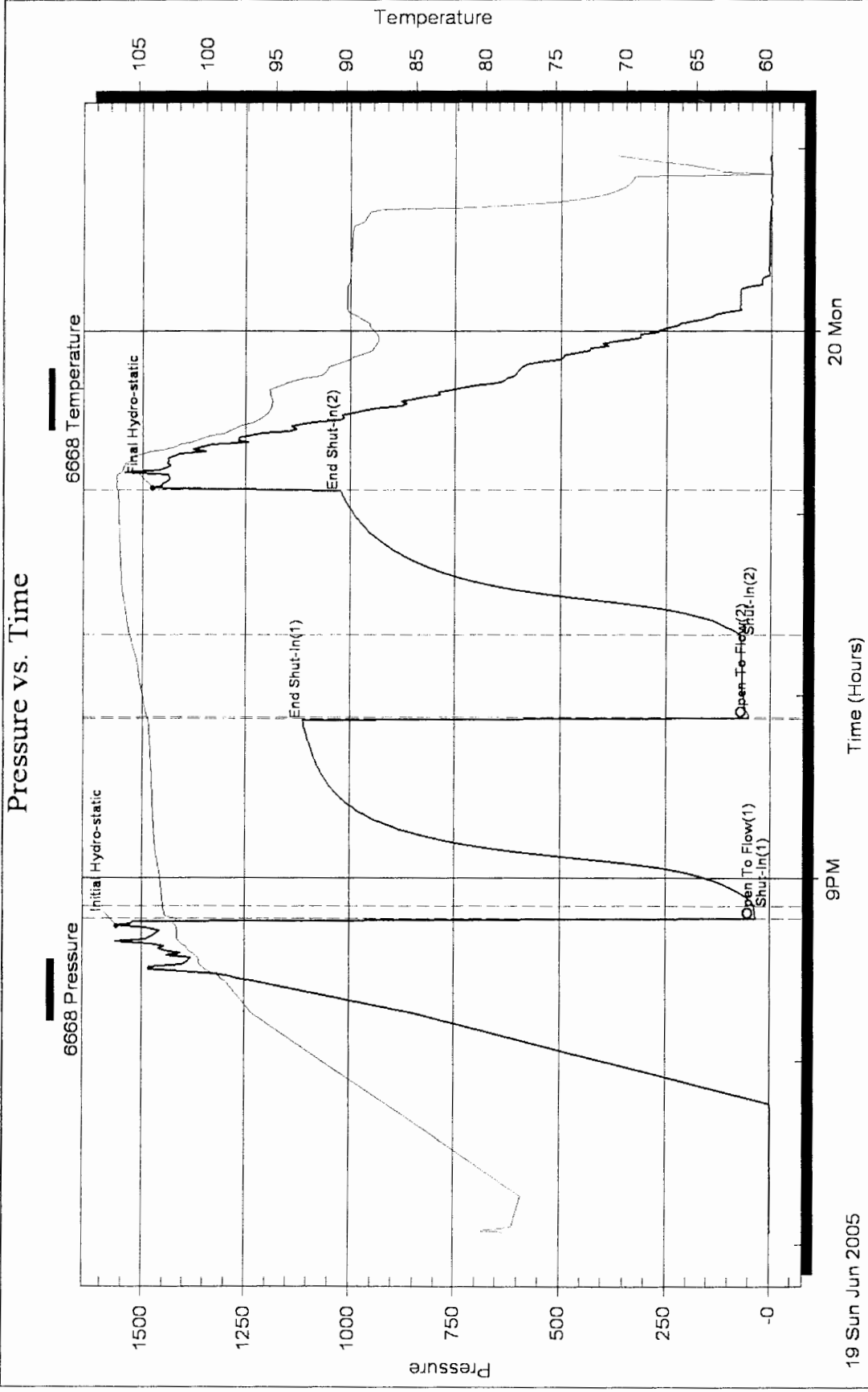
Total Length: 130.00 ft Total Volume: 0.719 bbl

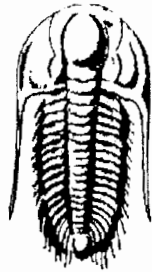
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 0.18@70degrees=40000

Pressure vs. Time





TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

1551 N. Waterfront Pkwy
Ste 150
Wichita KS 67206

ATTN: Doug McGinness

31-29S-11W

Carla #1

Start Date: 2005.06.21 @ 19:55:17

End Date: 2005.06.22 @ 03:21:02

Job Ticket #: 20713 DST #: 2

CMX, Inc.

Carla #1

31-29S-11W

DST # 2

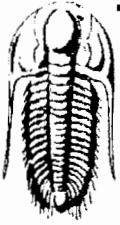
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2005.06.21

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX, Inc.
1551 N. Waterfront Pkwy
Ste 150
Wichita KS 67206
ATTN: Doug McGinness

Carla #1
31-29S-11W
Job Ticket: 20713 **DST#: 2**
Test Start: 2005.06.21 @ 19:55:17

Tool Information

Drill Pipe:	Length: 3912.00 ft	Diameter: 3.80 inches	Volume: 54.88 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.88 bbl</u>	Tool Chased 0.50 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3912.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	52.00 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			3884.00	
Shut In Tool	5.00			3889.00	
Hydraulic tool	5.00			3894.00	
Jars	5.00			3899.00	
Safety Joint	3.00			3902.00	
Packer	5.00			3907.00	29.00 Bottom Of Top Packer
Packer	5.00			3912.00	
Stubb	1.00			3913.00	
Recorder	0.00	6668	Inside	3913.00	
Perforations	19.00			3932.00	
Recorder	0.00	13266	Outside	3932.00	
Bullnose	3.00			3935.00	23.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.
1551 N Waterfront Pkwy
Ste 150
Wichita KS 67206
ATTN: Doug McGinness

Carla #1
31-29S-11W
Job Ticket: 20713 DST#: 2
Test Start: 2005.06.21 @ 19:55:17

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: 120000 ppm	
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.79 in ³	Gas Cushion Type:		
Resistivity: 0.20 ohm.m	Gas Cushion Pressure: psig		
Salinity: 14000.00 ppm			
Filter Cake: 0.32 inches			

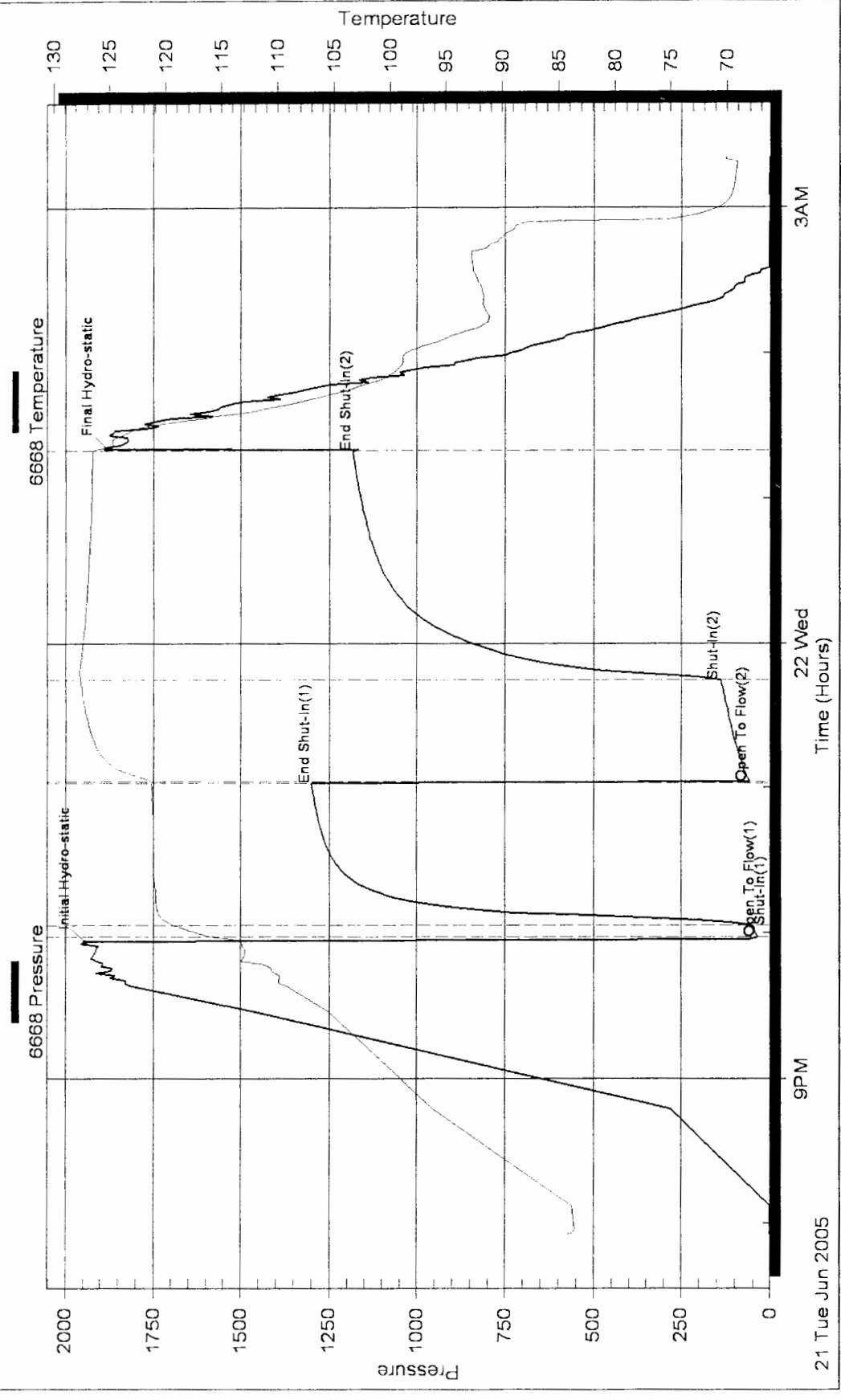
Recovery Information

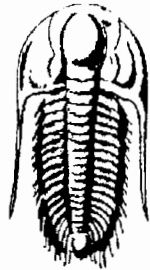
Recovery Table

Length ft	Description	Volume bbl
0.00	800' of gip	0.000
300.00	SG&OCMV 10%gas 2%oil 73%water 15%ml	4.208

Total Length: 300.00 ft Total Volume: 4.208 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .07@70'degrees=120000

Pressure vs. Time





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DRILL STEM TEST REPORT

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1551 N. Waterfront Pkwy
Ste 150
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ATTN: Doug McGinness

31-29S-11W

Carla #1

Start Date: 2005.06.23 @ 20:04:53

End Date: 2005.06.24 @ 02:20:23

Job Ticket #: 20714 DST #: 3

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

CMX, Inc.

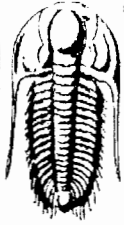
Carla #1

31-29S-11W

DST # 3

Mississippian

2005.06.23



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Ste 150
Wichita KS 67206
ATTN: Doug McGinness

Carla #1

31-29S-11W

Job Ticket: 20714

DST#: 3

Test Start: 2005.06.23 @ 20:04:53

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:08

Time Test Ended: 02:20:23

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 30

Interval: **4388.00 ft (KB) To 4450.00 ft (KB) (TVD)**

Reference Elevations: 1861.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

1853.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **6668** Inside

Press@RunDepth: 30.74 psig @ 4389.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.06.23

End Date:

2005.06.24

Last Calib.: 2005.06.24

Start Time: 20:04:54

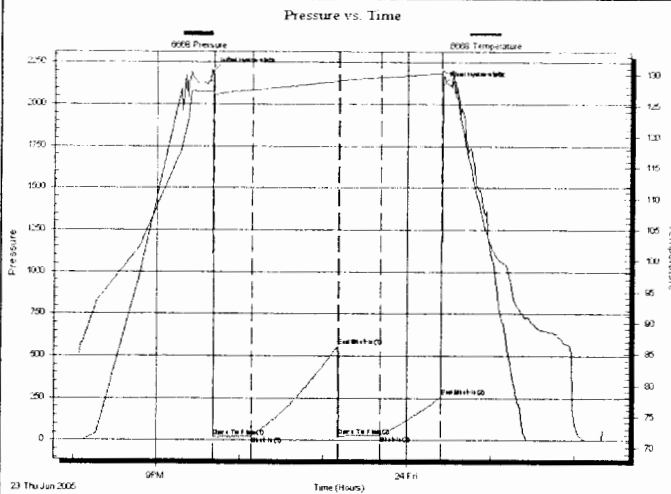
End Time:

02:20:23

Time On Btm: 2005.06.23 @ 21:39:53

Time Off Btm: 2005.06.24 @ 00:25:23

TEST COMMENT: IF: Fair blow b.o.b in 13 mins.
FSI: Bled down for 5 mins. no blow back.
FF: Fair blow built to 11-1/2" in H₂O bucket.
FSI: Bled down for 5 mins. no blow back.



PRESSURE SUMMARY

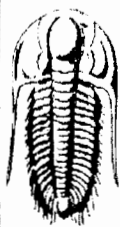
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.71	127.22	Initial Hydro-static
2	17.57	126.53	Open To Flow (1)
29	26.27	127.51	Shut-In(1)
91	556.90	128.96	End Shut-In(1)
91	24.13	128.99	Open To Flow (2)
121	30.74	129.54	Shut-In(2)
165	258.50	130.25	End Shut-In(2)
166	2115.44	130.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	300' of gip	0.00
30.00	VSGCM 8% gas 92% mud	0.42

Gas Rates

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



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Ste 150
Wichita KS 67206
ATTN: Doug McGinness

31-29S-11W

Job Ticket: 20714

DST#: 3

Test Start: 2005.06.23 @ 20:04:53

Tool Information

Drill Pipe:	Length: 4383.00 ft	Diameter: 3.80 inches	Volume: 61.48 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4388.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	91.00 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			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Jars	5.00			4375.00	
Safety Joint	3.00			4378.00	
Packer	5.00			4383.00	29.00 Bottom Of Top Packer
Packer	5.00			4388.00	
Stubb	1.00			4389.00	
Recorder	0.00	6668	Inside	4389.00	
Perforations	26.00			4415.00	
Recorder	0.00	13266	Outside	4415.00	
Drill Pipe	32.00			4447.00	
Bullnose	3.00			4450.00	62.00 Bottom Packers & Anchor

Total Tool Length: 91.00



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Carla #1
31-29S-11W
Job Ticket: 20714 DST#: 3
Test Start: 2005.06.23 @ 20:04:53

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: 0.70 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	300' of gip	0.000
30.00	VSGCM 8% gas 92% mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

