

CONFIDENTIAL

ORIGINAL



**TRILOBITE
TESTING, INC.**

NOV 27 2002
KCC

KCC

NOV 25

DRILL STEM TEST REPORT

CONFIDENTIAL

Prepared For: **Murfin Drilling Company**

250 N Water, Ste 300
Wichita, KS 67202

KCC

NOV 26 2002

ATTN: Paul Gunzelman

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7-3S-41W Cheyenne

Dunn #1-7

Start Date: 2002.11.13 @ 21:36:52

End Date: 2002.11.14 @ 05:00:22

Job Ticket #: 15166

DST #: 1

RELEASED
FROM
CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company

Dunn #1-7

250 N Water, Ste 300
Wichita, KS 67202

7-3S-41W Cheyenne

Job Ticket: 15166

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2002.11.13 @ 21:36:52

GENERAL INFORMATION:

Formation: L/KC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:35:37

Time Test Ended: 05:00:22

Interval: 4430.00 ft (KB) To 4500.00 ft (KB) (TVD)

Total Depth: 4500.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

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NOV 26 2002

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Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Reference Elevations: 3581.00 ft (KB)

3576.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3030

Inside

Press@RunDepth: 263.70 psig @ 4431.00 ft (KB)

Start Date: 2002.11.13

End Date:

2002.11.14

Start Time: 21:36:54

End Time:

05:00:22

Capacity: 7000.00 psig

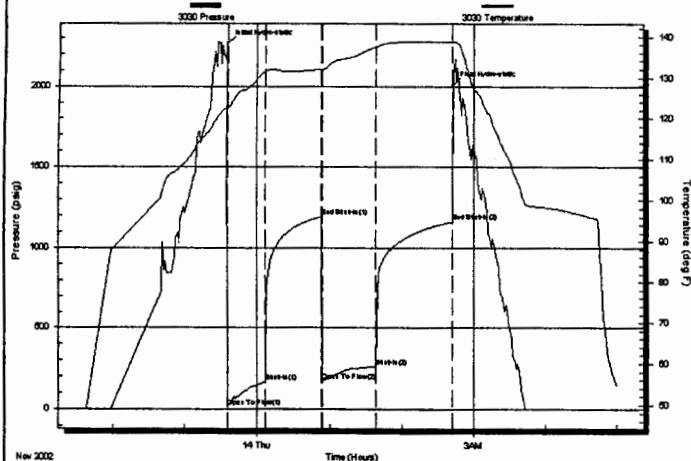
Last Calib.: 1899.12.30

Time On Btm: 2002.11.13 @ 23:35:22

Time Off Btm: 2002.11.14 @ 02:42:37

TEST COMMENT: IF; Surface blow built to 5" - losing fluid on backside
 IS; No return blow - no lose of fluid
 FF; Weak surface blow steady thru - slight lose of fluid
 FS; No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.50	122.59	Initial Hydro-static
1	15.38	122.61	Open To Flow (1)
32	168.69	131.48	Shut-In (1)
79	1192.86	132.02	End Shut-In (1)
79	172.96	132.02	Open To Flow (2)
123	263.70	137.48	Shut-In (2)
187	1163.54	138.68	End Shut-In (2)
188	2008.03	138.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Slightly Oil Spotted Drig. Mud	1.18
280.00	MCW 50%w tr 50% mud	1.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Murfin Drilling Company 250 N Water, Ste 300 Wichita, KS 67202 ATTN: Paul Gunzelman	Dunn #1-7 7-3S-41W Cheyenne Job Ticket: 15166 DST#: 1 Test Start: 2002.11.13 @ 21:36:52	

Tool Information			
Drill Pipe:	Length: 3888.00 ft	Diameter: 3.80 inches	Volume: 54.54 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 525.00 ft	Diameter: 2.20 inches	Volume: 2.47 bbl
		Total Volume:	57.01 bbl
Drill Pipe Above KB:	5.00 ft		
Depth to Top Packer:	4430.00 ft		
Depth to Bottom Packer:	ft		
Interval between Packers:	70.00 ft		
Tool Length:	92.00 ft		
Number of Packers:	2	Diameter:	6.75 inches
Tool Comments:			

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4413.00		
Hydraulic tool	5.00			4418.00		
Safety Joint	2.00			4420.00		
Packer	5.00			4425.00	22.00	Bottom Of Top Packer
Packer	5.00			4430.00		
Stubb	1.00			4431.00		
Recorder	0.00	3030	Inside	4431.00		
Perforations	31.00			4462.00		
Change Over Sub	1.00			4463.00		
Anchor	31.00			4494.00		
Change Over Sub	1.00			4495.00		
Recorder	0.00	13371	Outside	4495.00		
Bullnose	5.00			4500.00	70.00	Bottom Packers & Anchor
Total Tool Length:		92.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Dunn #1-7

250 N Water, Ste 300
Wichita, KS 67202

7-3S-41W Cheyenne

Job Ticket: 15166

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2002.11.13 @ 21:36:52

Mud and Cushion Information

Mud Type: Polymer

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Slightly Oil Spotted Drlg. Mud	1.175
280.00	MCW 50%w tr 50%mud	1.363

Total Length: 530.00 ft

Total Volume: 2.538 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

7-3S-41W Cheyenne

Murfin Drilling Company

Inside

Serial #: 3030

Pressure vs. Time

