

TRILOBITE
TESTING, INC.

KCC

OCT 18 2004

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

KCC

OCT 18 2004

CONFIDENTIAL

ATTN: Ed Grieves

23-32s-32w

McBride 2-23

Start Date: 2004.07.10 @ 18:57:03

End Date: 2004.07.11 @ 05:32:52

Job Ticket #: 19729 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raydon Exploration

McBride 2-23

23-32s-32w

DST # 1

Lanseing

2004.07.10



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration
9400 n. Broadway STE 400
Oklahoma City, OK 73114
ATTN: Ed Grieves

McBride 2-23
23-32s-32w
Job Ticket: 19729 **DST#: 1**
Test Start: 2004.07.10 @ 18:57:03

GENERAL INFORMATION:

Formation: **Lanseing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:32:13
Time Test Ended: 05:32:52

Test Type: Conventional Bottom Hole
Tester: Kevin
Unit No: 20

Interval: **4348.00 ft (KB) To 4358.00 ft (KB) (TVD)**
Total Depth: 4358.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2827.00 ft (KB)
2815.00 ft (CF)
KB to GR/CF: 12.00 ft

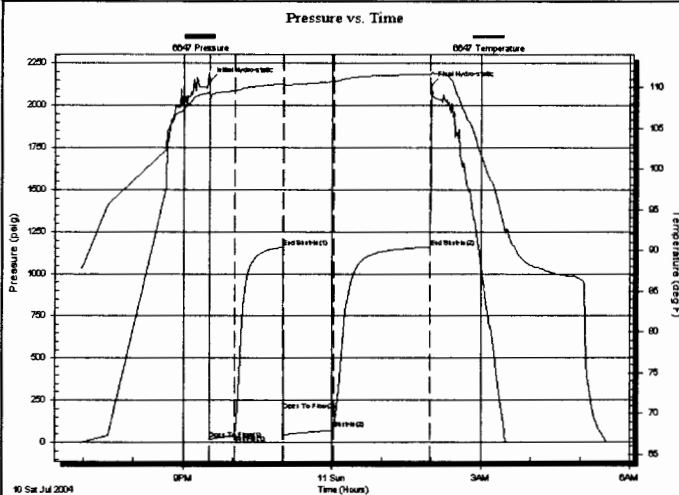
Serial #: 6647

Inside

Press@RunDepth: 77.86 psig @ 4349.00 ft (KB)
Start Date: 2004.07.10 End Date: 2004.07.11
Start Time: 18:57:13 End Time: 05:32:53

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.07.10 @ 21:32:03
Time Off Btm: 2004.07.11 @ 02:00:23

TEST COMMENT: IF- Weak blow built to bob in 30 min
IS- no blow back
FF- good blow bob 3 min
FS- blow back built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.31	109.39	Initial Hydro-static
1	17.63	108.31	Open To Flow (1)
30	43.71	109.57	Shut-In(1)
89	1156.57	110.44	End Shut-In(1)
89	187.40	109.83	Open To Flow (2)
151	77.86	110.73	Shut-In(2)
268	1159.29	111.60	End Shut-In(2)
269	2118.98	111.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	100% oil	0.30
62.00	40%oil 15% water 45% mud	0.30
62.00	25% gas 15% oil 30% water 30% mud	0.30
62.00	5% oil 80% water 15% mud	0.40

Gas Rates

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

Raydon Exploration

McBride 2-23

9400 n. Broadway STE 400
Oklahoma City, OK 73114

23-32s-32w

Job Ticket: 19729

DST#: 1

ATTN: Ed Grieves

Test Start: 2004.07.10 @ 18:57:03

Tool Information

Drill Pipe:	Length: 4113.00 ft	Diameter: 3.80 inches	Volume: 57.69 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 58.86 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4348.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	37.00 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			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	2.00			4339.00	
Packer	4.00			4343.00	27.00 Bottom Of Top Packer
Packer	5.00			4348.00	
Stubb	1.00			4349.00	
Recorder	0.00	6647	Inside	4349.00	
Perforations	6.00			4355.00	
Recorder	0.00	13630	Outside	4355.00	
Bullnose	3.00			4358.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



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FLUID SUMMARY

Raydon Exploration

McBride 2-23

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Oklahoma City, OK 73114

23-32s-32w

Job Ticket: 19729

DST#: 1

ATTN: Ed Grieves

Test Start: 2004.07.10 @ 18:57:03

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:

50000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	100% oil	0.305
62.00	40% oil 15% water 45% mud	0.305
62.00	25% gas 15% oil 30% water 30% mud	0.305
62.00	5% oil 80% water 15% mud	0.396

Total Length: 248.00 ft

Total Volume: 1.311 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

