

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company**

225 N Market
Suite #300
Wichita, KS 67202

ATTN: Will Darrah

18-16s-13w Barton KS

Bitter C #9

Start Date: 2010.06.06 @ 05:29:11

End Date: 2010.06.06 @ 11:45:11

Job Ticket #: 38623 DST #: 1

KCC
AUG 06 2010
CONFIDENTIAL

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AUG 06 2010
KCC WICHITA

Trilobite Testing, Inc
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Darrah Oil Company

225 N Market
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Test Start: 2010.06.06 @ 05:29:11

GENERAL INFORMATION:

Formation: Arbuckle

Deviated:	No	Whipstock:	ft (KB)
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Time Tool Opened: 07:16:11

Time Test Ended: 11:45:11

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 47

Interval: 3365.00 ft (KB) To 3379.00 ft (KB) (TVD)

Total Depth: 3379.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1937.00 ft (KB)

1932.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 **Inside**

Press@RunDepth: 261.06 psig @ 3366.00 ft (KB)

Start Date: 2010.06.06

End Date:

2010.06.06

Start Time: 05:29:16

End Time:

11:45:10

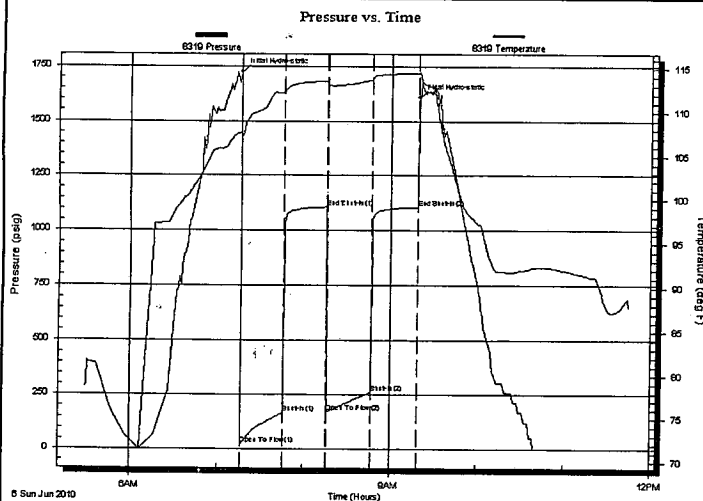
Capacity: 8000.00 psia

Last Calib.: 2010.06.06

Time On Btmr 2010.06.06 @ 07:15:41

Time Off Btm: 2010.06.06 @ 09:19:11

TEST COMMENT: IFF-Strong blow BOB in 8 min
ISI-Weak blow back built to 3 in
FFP-Strong blow BOB in 6 min
FSI-Dead no blow back



PRESSURE SUMMARY

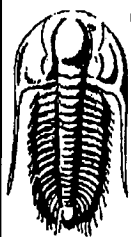
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.08	107.68	Initial Hydro-static
1	21.66	107.11	Open To Flow (1)
30	167.06	112.25	Shut-In(1)
60	1107.00	113.53	End Shut-In(1)
61	172.44	113.25	Open To Flow (2)
91	261.06	113.72	Shut-In(2)
123	1106.38	114.44	End Shut-In(2)
124	1606.67	114.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	HOCGW25%O25%G10%W30%M	0.31
63.00	WMO5%W15%M80%O	0.31
582.00	Free Oil	7.10
0.00	267 GIP	0.00

Gas Rates

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

Darrah Oil Company

Bitter C #9

225 N Market
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18-16s-13w Barton KS

Job Ticket: 38623

DST#: 1

Test Start: 2010.06.06 @ 05:29:11

Tool Information

Drill Pipe:	Length: 3107.00 ft	Diameter: 3.80 inches	Volume: 43.58 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	44.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3365.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	35.00 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			3345.00	
Shut In Tool	5.00			3350.00	
Hydraulic tool	5.00			3355.00	
Packer	5.00			3360.00	21.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Stubb	1.00			3366.00	
Recorder	0.00	8319	Inside	3366.00	
Recorder	0.00	6719	Outside	3366.00	
Perforations	10.00			3376.00	
Bullnose	3.00			3379.00	14.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 10.98 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

37 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	HOOGWM25%O25%G10%W30%M	0.310
63.00	WMO5%W15%M80%O	0.310
582.00	Free Oil	7.098
0.00	267 GIP	0.000

Total Length: 708.00 ft

Total Volume: 7.718 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

