

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Marexco Inc.
3033 NW 63rd St. ste 151
Oklahoma City OK 73116
ATTN: Scott Alberg

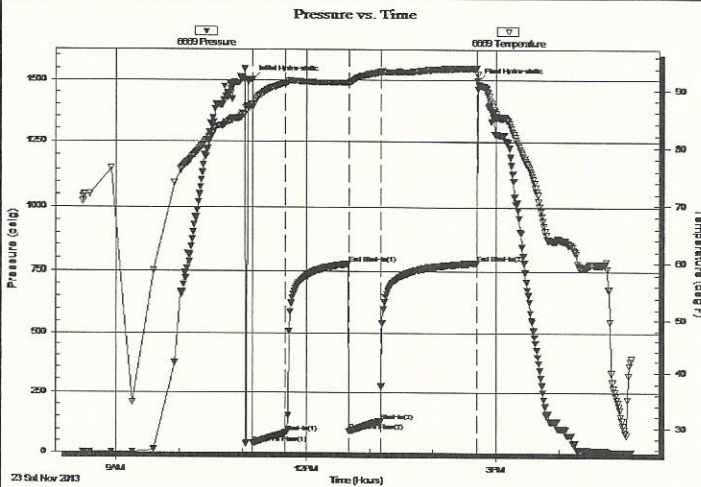
14-1s-26w Decatur,KS
Cook #24-14
Job Ticket: 55815 **DST#: 1**
Test Start: 2013.11.23 @ 08:28:00

GENERAL INFORMATION:

Formation: **Lans "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:09:15
Time Test Ended: 17:09:30
Interval: **3196.00 ft (KB) To 3220.00 ft (KB) (TVD)**
Total Depth: 3220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: 44
Reference Elevations: 2383.00 ft (KB)
2378.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 Outside
Press@RunDepth: 129.72 psig @ 3197.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.23 End Date: 2013.11.23 Last Calib.: 2013.11.23
Start Time: 08:28:05 End Time: 17:09:30 Time On Btm: 2013.11.23 @ 11:09:00
Time Off Btm: 2013.11.23 @ 14:42:15

TEST COMMENT: 30 - IF - Surface blow built to bottom of bucket in 20 min.
60 - ISI - Faint return in 30 min. stayed at surface
FF - Surface blow built to bottom of bucket in 17 min.
FSI - Faint return in 30 min. then died off



PRESSURE SUMMARY

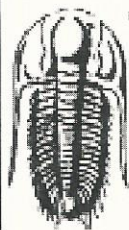
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1502.57	87.48	Initial Hydro-static
1	39.19	87.05	Open To Flow (1)
31	82.11	91.36	Shut-In(1)
91	777.53	91.51	End Shut-In(1)
92	90.71	91.30	Open To Flow (2)
122	129.72	93.49	Shut-In(2)
213	781.37	94.22	End Shut-In(2)
214	1496.08	93.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	OCMW - 80W - 10o - 10M	1.77
141.00	MCWO - 5W - 60o - 35M	1.98

Gas Rates

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



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TOOL DIAGRAM

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14-1s-26w Decatur,KS

Cook #24-14

Job Ticket: 55815

DST#: 1

ATTN: Scott Alberg

Test Start: 2013.11.23 @ 08:28:00

Tool Information

Drill Pipe:	Length: 3174.00 ft	Diameter: 3.80 inches	Volume: 44.52 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
			Total Volume: 44.52 bbl	Tool Chased 3.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3196.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3174.00	
Hydraulic tool	5.00			3179.00	
Jars	5.00			3184.00	
Safety Joint	3.00			3187.00	
Packer	4.00			3191.00	27.00 Bottom Of Top Packer
Packer	5.00			3196.00	
Stubb	1.00			3197.00	
Recorder	0.00	6669	Outside	3197.00	
Recorder	0.00	6667	Outside	3197.00	
Perforations	20.00			3217.00	
Bullnose	3.00			3220.00	24.00 Bottom Packers & Anchor

Total Tool Length: 51.00

Serial #: 6669

Outside Marexco Inc.

Cook #24-14

DST Test Number: 1

Pressure vs. Time

