

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Keith F. Walker Oil & Gas Co., LLC**

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

7 33S 25W Clark KS

Idun 7-#1

Start Date: 2009.12.10 @ 21:45:59

End Date: 2009.12.11 @ 13:01:14

Job Ticket #: 37571 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Keith F. Walker Oil & Gas Co., LLC

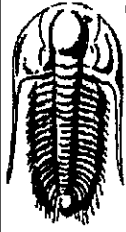
Idun 7-#1

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DST # 1

Lansing

2009.12.10



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DST#: 1

Test Start: 2009.12.10 @ 21:45:59

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No Whipstock: ft (KB)**
 Time Tool Opened: **02:26:29**
 Time Test Ended: **13:01:14**

Test Type: **Conventional Bottom Hole**
 Tester: **Mike Siemp**
 Unit No: **28**

Interval: **4442.00 ft (KB) To 4478.00 ft (KB) (TVD)**
 Total Depth: **4478.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2169.00 ft (KB)**
2157.00 ft (CF)
 KB to GR/CF: **12.00 ft**

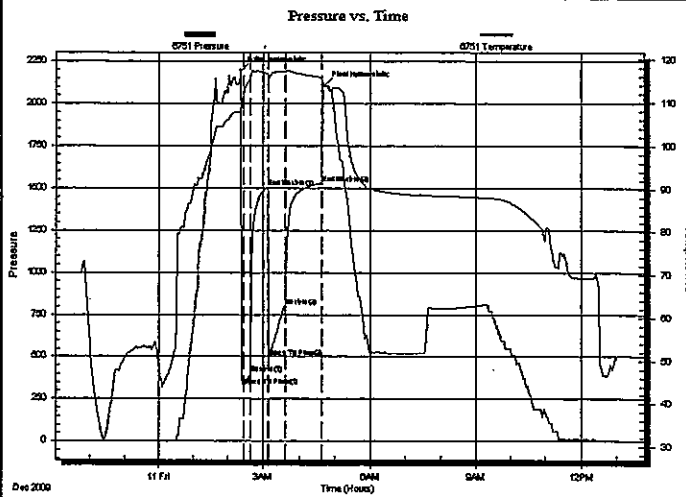
Serial #: 6751

Inside

Press@RunDepth: **801.52 psig @ 4444.00 ft (KB)**
 Start Date: **2009.12.10** End Date: **2009.12.11**
 Start Time: **21:46:00** End Time: **13:01:14**

Capacity: **8000.00 psig**
 Last Calib.: **2009.12.11**
 Time On Btm: **2009.12.11 @ 02:21:59**
 Time Off Btm: **2009.12.11 @ 04:43:44**

TEST COMMENT: IF-Strong blow, BOB ASAO, GTS in 7 min TSTM
 IS-BOB Blow back
 FF-Strong blow BOB ASAO GTS ASAO TSTM
 FS- BOB Blow back



PRESSURE SUMMARY

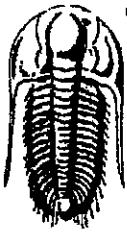
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.31	107.90	Initial Hydro-static
5	328.18	111.73	Open To Flow(1)
16	398.59	115.63	Shut-in(1)
45	1504.38	116.72	End Shut-in(1)
48	495.95	115.03	Open To Flow(2)
75	801.52	117.29	Shut-in(2)
138	1527.91	115.90	End Shut-in(2)
142	2106.56	113.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
564.00	GCM 60%gas 20%oil 20%mud	4.41
1128.00	WCM 95%water 5%mud	15.82
0.00	RW .06 @ 60F = 18000 chlorides	0.00

Gas Rates

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



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TOOL DIAGRAM

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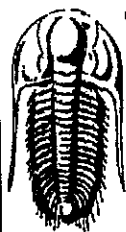
Tool Information

Drill Pipe:	Length: 4038.00 ft	Diameter: 3.80 inches	Volume: 56.64 bbl	Tool Weight: 2000.00 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: 384.00 ft	Diameter: 2.25 inches	Volume: 1.89 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 58.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4442.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	66.00 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			4413.00	
Shut In Tool	5.00			4418.00	
Sampler	3.00			4421.00	
Hydraulic tool	5.00			4426.00	
Jars	5.00			4431.00	
Safety Joint	2.00			4433.00	
Packer - Shale	5.00			4438.00	
Packer	4.00			4442.00	30.00 Bottom Of Top Packer
Stubb	1.00			4443.00	
Perforations	1.00			4444.00	
Recorder	0.00	8321	Inside	4444.00	
Recorder	0.00	6751	Inside	4444.00	
Perforations	31.00			4475.00	
Bullnose	3.00			4478.00	36.00 Anchor Tool

Total Tool Length: 66.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

52 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

180000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 18.13 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
564.00	GCM 60%gas20%oil20%mud	4.413
1128.00	WCM 95%water5%mud	15.823
0.00	RW .06 @ 60F = 18000 chlorides	0.000

Total Length: 1692.00 ft Total Volume: 20.236 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler- 850psi- 2500ml oil 12.5 cu/ftgas

Pressure vs. Time

