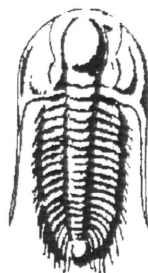


13-33-11W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Chieftian Oil Co, inc.**

625 S. 10th
Kiowa, KS 67070

ATTN: Arden Ratzlaff

13-33S-11W

Jake #1

Start Date: 2005.07.19 @ 06:51:36

End Date: 2005.07.19 @ 16:16:36

Job Ticket #: 20725 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

RECEIVED
APR 27 2006
KCC WICHITA

SE NE NE
930 FNL
170 FEL

Chieftian Oil Co, inc.

Jake #1

13-33S-11W

DST # 1

Misener

2005.07.19

15-007-22904



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Chieftian Oil Co., inc.

625 S.10th
Kiowa, KS 67070

ATTN: Arden Ratzlaff

Jake #1

13-33S-11W

Job Ticket: 20725

DST#: 1

Test Start: 2005.07.19 @ 06:51:36

GENERAL INFORMATION:

Formation: **Misener**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:45:21

Time Test Ended: 16:16:36

Test Type: **Conventional Bottom Hole**

Tester: **Darren L. Amerine**

Unit No: **30**

Interval: **4951.00 ft (KB) To 4980.00 ft (KB) (TVD)**

Total Depth: **4980.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1613.00 ft (KB)**

1608.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **95.22 psig @ 4956.00 ft (KB)**

Start Date: **2005.07.19**

End Date:

2005.07.19

Capacity: **7000.00 psig**

Last Calib.: **2005.07.19**

Start Time: **06:51:37**

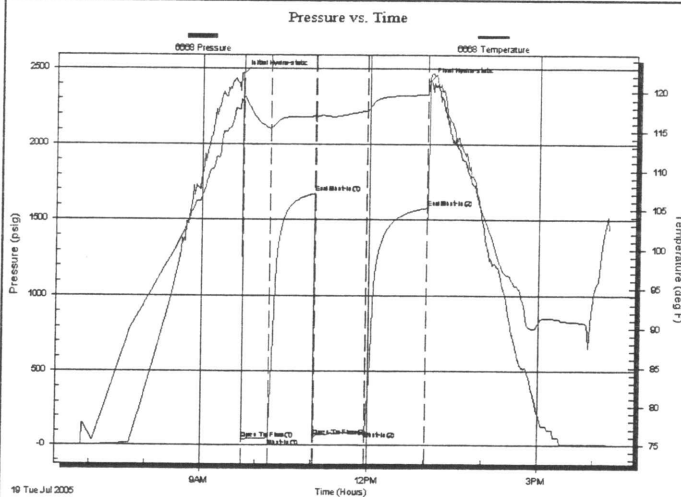
End Time:

16:16:36

Time On Btm: **2005.07.19 @ 09:44:06**

Time Off Btm: **2005.07.19 @ 13:02:36**

TEST COMMENT: IF: Fair to strong blow b.o.b in 70 sec.
IS: Bled down for 5 mins. built back to 2-1/2" in H₂O. GTS.
FF: Strong blow b.o.b in 10 sec. gauge gas.
FS: Bled down for 5 mins. built back to 1/2" in H₂O.



PRESSURE SUMMARY

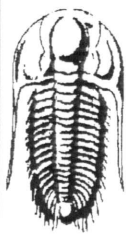
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2466.52	118.96	Initial Hydro-static
2	44.00	119.49	Open To Flow (1)
30	49.54	115.38	Shut-In (1)
78	1674.22	116.92	End Shut-In (1)
79	63.03	116.28	Open To Flow (2)
133	95.22	117.63	Shut-In (2)
197	1579.25	119.71	End Shut-In (2)
199	2416.03	121.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4666' of gip	0.00
270.00	HG&MCO 60% gas 20% oil 20% mud	1.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.50	25.22
Last Gas Rate	0.25	3.30	28.08
Max. Gas Rate	0.25	3.80	28.87



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftian Oil Co., inc.

Jake #1

625 S.10th
Kiowa, KS 67070

13-33S-11W

Job Ticket: 20725

DST#: 1

ATTN: Arden Ratzlaff

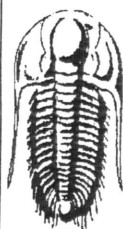
Test Start: 2005.07.19 @ 06:51:36

Tool Information

Drill Pipe:	Length: 4700.50 ft	Diameter: 3.80 inches	Volume: 65.94 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 236.50 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	67.10 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4951.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	53.00 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			4928.00	
Shut In Tool	5.00			4933.00	
Hydraulic tool	5.00			4938.00	
Safety Joint	3.00			4941.00	
Packer	5.00			4946.00	24.00 Bottom Of Top Packer
Packer	5.00			4951.00	
Stubb	1.00			4952.00	
Perforations	4.00			4956.00	
Recorder	0.00	6668	Inside	4956.00	
Perforations	21.00			4977.00	
Recorder	0.00	13266	Outside	4977.00	
Bullnose	3.00			4980.00	29.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftian Oil Co, inc.

Jake #1

625 S.10th
Kiowa, KS 67070

13-33S-11W

Job Ticket: 20725

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2005.07.19 @ 06:51:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 12.79 in³

Resistivity: 0.50 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4666' of gip	0.000
270.00	HG&MCO 60%gas 20%oil 20%mud	1.633

Total Length: 270.00 ft

Total Volume: 1.633 bbl

Num Fluid Samples: 1

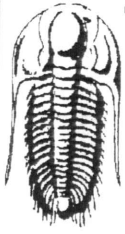
Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Chieftian Oil Co, inc.

Jake #1

625 S. 10th
Kiowa, KS 67070

13-33S-11W

Job Ticket: 20725

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2005.07.19 @ 06:51:36

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.25	1.50	25.22
2	10	0.25	1.50	25.22
2	20	0.25	2.20	26.33
2	30	0.25	3.70	28.71
2	40	0.25	3.80	28.87
2	50	0.25	3.40	28.24
2	60	0.25	3.30	28.08

Serial #: 6668

Inside

Chieftian Oil Co. Inc.

13-33S-11W

DST Test Number: 1

