

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Quinique Operating**

6301 Waterford Blvd.
Oklahoma City, OK 73118

ATTN: Roger Pearson

19-30s-30

Koehn 2-19

Start Date: 2005.02.10 @ 18:03:09

End Date: 2005.02.11 @ 05:48:09

Job Ticket #: 20552 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Quinique Operating

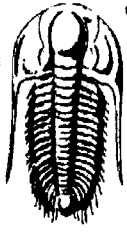
Koehn 2-19

19-30s-30

DST # 1

Kansas City

2005.02.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Quinique Operating
6301 Waterford Blvd.
Oklahoma City, OK 73118

Koehn 2-19

19-30s-30

Job Ticket: 20552

DST#: 1

ATTN: Roger Pearson

Test Start: 2005.02.10 @ 18:03:09

GENERAL INFORMATION:

Formation: **Kansas City**

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

Time Tool Opened: 19:55:24

Time Test Ended: 05:48:09

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **20**

Interval: **4745.00 ft (KB) To 4757.00 ft (KB) (TVD)**

Total Depth: **4757.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2828.00 ft (KB)**

2816.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **982.05 psig @ 4747.00 ft (KB)**

Start Date: **2005.02.10**

End Date:

2005.02.11

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **18:03:09**

End Time:

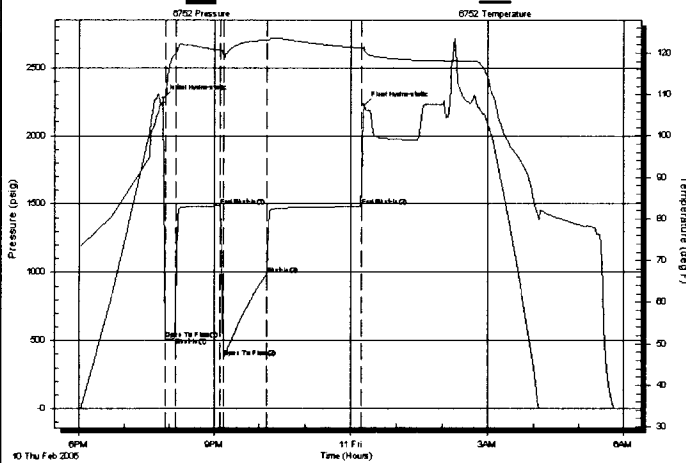
05:48:09

Time On Btm: **2005.02.10 @ 19:51:39**

Time Off Btm: **2005.02.11 @ 00:17:09**

TEST COMMENT: IF: BOB 15 sec. GTS 7 min. Strong building blow.
IS: Blow back immediately. BOB 45 sec.
FF: BOB 30 sec. GTS ASAO. Fair blow.
FSI: Flow ed Oil immediately After Staging.

Pressure vs. Time



PRESSURE SUMMARY

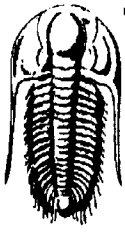
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2273.96	107.86	Initial Hydro-static
4	509.12	108.25	Open To Flow (1)
17	524.56	119.88	Shut-In(1)
76	1485.80	120.57	End Shut-In(1)
81	377.04	118.34	Open To Flow (2)
138	982.05	123.00	Shut-In(2)
262	1480.67	121.13	End Shut-In(2)
266	2225.87	121.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4729.00	5% G,95% O	60.87

Gas Rates

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



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TOOL DIAGRAM

Quinique Operating
6301 Waterford Blvd.
Oklahoma City, OK 73118

ATTN: Roger Pearson

Koehn 2-19
19-30s-30
Job Ticket: 20552 **DST#: 1**
Test Start: 2005.02.10 @ 18:03:09

Tool Information

Drill Pipe:	Length: 4129.00 ft	Diameter: 3.80 inches	Volume: 57.92 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: 20000.00 lb
Drill Collar:	Length: 600.00 ft	Diameter: 2.25 inches	Volume: 2.95 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 60.87 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4745.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	42.00 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			4716.00	
Shut In Tool	5.00			4721.00	
Sampler	3.00			4724.00	
HMV	5.00			4729.00	
Jars	5.00			4734.00	
Safety Joint	2.00			4736.00	
Packer	5.00			4741.00	30.00 Bottom Of Top Packer
Packer	4.00			4745.00	
Stubb	1.00			4746.00	
Perforations	1.00			4747.00	
Recorder	0.00	6752	Inside	4747.00	
Perforations	7.00			4754.00	
Recorder	0.00	13630	Inside	4754.00	
Bullnose	3.00			4757.00	12.00 Bottom Packers & Anchor

Total Tool Length: 42.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Quinique Operating
6301 Waterford Blvd.
Oklahoma City, OK 73118
ATTN: Roger Pearson

Koehn 2-19
19-30s-30
Job Ticket: 20552 **DST#: 1**
Test Start: 2005.02.10 @ 18:03:09

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.36 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

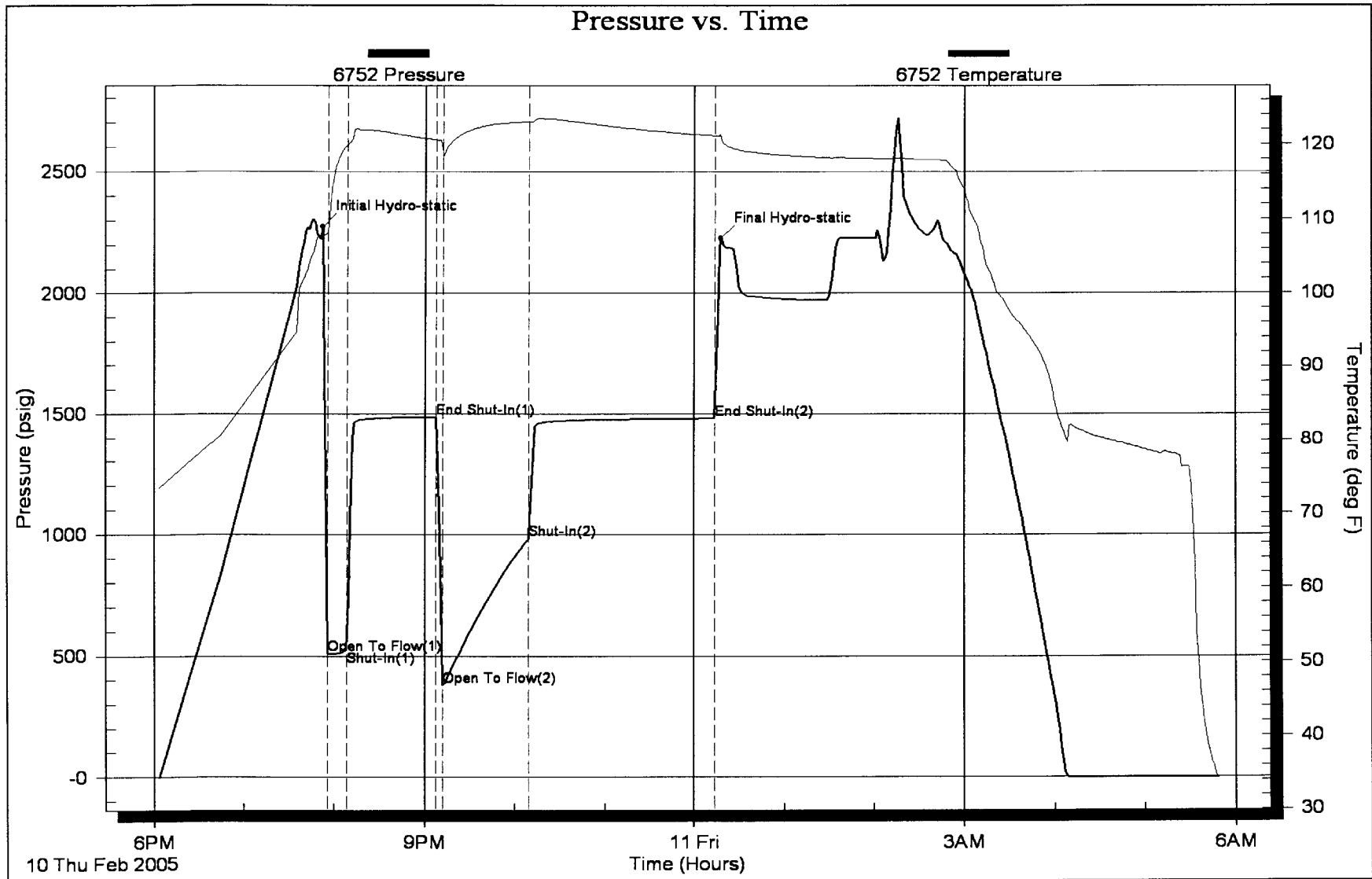
Length ft	Description	Volume bbl
4729.00	5% G,95% O	60.870

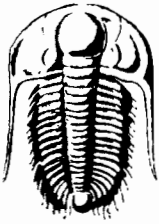
Total Length: 4729.00 ft Total Volume: 60.870 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: api=35@50F=36





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 7199

No 20552

Test Ticket

Well Name & No. Koehn 2-19 Test No. 1 Date 2-10-05
 Company Huntington Energy, LLC (Quinque Operating) Zone Tested Kansas City
 Address 6301 Waterford Blvd. OKC, OK 73118 Elevation 2828 KB 2816 GL
 Co. Rep / Geo. Roger Pearson Cont. _____ Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 19 Twp. 30S Rge. 30 Co. Meade State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4745-4757 Initial Str Wt./Lbs. 80K Unseated Str Wt./Lbs. 90K
 Anchor Length 12' Wt. Set Lbs. 2K Wt. Pulled Loose/Lbs. 110K
 Top Packer Depth 4740 Tool Weight 20K
 Bottom Packer Depth 4745 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4757 Wt. Pipe Run NA. Drill Collar Run 600

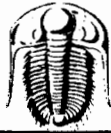
Mud Wt. 9.3 LCM 3# Vis. 44 WL 10.4 Drill Pipe Size 4.5 XH Ft. Run 4129
 Blow Description IF: BOB 15 sec. GTS 7 min. Strong building blow
15' Blobback. Immediately, BOB 45 sec.
FF: BOB 30 sec GTS ~~30~~ ASAC. Fair blow
FSL: Flowed Oil Immediately After Staging

Recovery - Total Feet 4729 GIP _____ Ft. in DC 600 Ft. in DP 4129
 Rec. 4729 Feet of gas cut oil %gas 5 %oil 95 %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 121 °F Gravity 35 °API D @ 50 °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4000 ppm System

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	2274	PSI	6752 (602)	✓ CONV.	1000
(B) First Initial Flow Pressure	509	PSI	(depth) 4747	Elec. Rec. ✓	
(C) First Final Flow Pressure	524	PSI	Recorder No. 13630	Jars ✓	200
(D) Initial Shut-In Pressure	1486	PSI	(depth) 4754	Safety Jt. ✓	50
(E) Second Initial Flow Pressure	377	PSI	Recorder No. _____	Circ Sub ✓	35
(F) Second Final Flow Pressure	982	PSI	(depth) _____	Sampler ✓	200
(G) Final Shut-In Pressure	1481	PSI	Initial Opening 15	Straddle _____	
(Q) Final Hydrostatic Mud	2226	PSI	Initial Shut-In 60	Ext. Packer _____	
			Final Flow 60	Shale Packer ✓	250
			Final Shut-In 120	Mileage ✓ X130	130
			T-On Location 1500	Sub Total \$1765.00	1765
			T-Started 1730	Std. By 18.0	120
			T-Open 1955	Other _____	240
			T-Pulled 0010	Total: 2125	82125
			T-Out 0600		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Roger Pearson
 Our Representative [Signature]



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 20552 Date 2-10-05

Company Name Quinque Operating

Lease Koehn 2-19 Test No. 1

County Meade Sec. 19 Twp. 30S Rng. 130

SAMPLER RECOVERY

Gas 7.9 CF ML

Oil 2000 ML

Mud _____ ML

Water _____ ML

Other _____ ML

Pressure 1050 ML

Total 2000 ML

PIT MUD ANALYSIS

Chlorides 4000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 44

Mud Weight 9.3

Filtrate 10.4

Other 3rd LCM

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity 36 corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

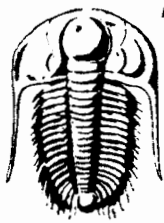
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.



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GAS VOLUME REPORT

Quinque Operating Co.
OPERATOR

Koehn 2-19
WELL NAME AND NO.

01
DST NO.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	M CF/D
				10	Too small	no gauge	
				20			
				30			
				40			
				50			
				60			
<p>IF: BOB 15 sec. GTS 7 min., strong building blow</p> <p>ISL: Blow back immediately, BOB 45 sec.</p> <p>EF: BOB 30 sec, GTS ASAO ASAO, fair blow</p> <p>FSL: Flamed out immediately following staging</p>							

Remarks: Flammable

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

