

15063-23734-0000 ✓
KGS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raney**

3425 Tam O' Shanter Dr.
Lawrence, Ks
66047

ATTN: Duane Stecklein

18 10 19 Rooks KS

Gunn/Gibson #1

Start Date: 2008.09.27 @ 14:57:56

End Date: 2008.09.27 @ 21:54:50

Job Ticket #: 33128 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 15 2009

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Raney

Gunn/Gibson #1

18 10 19 Rooks KS

DST # 1

Arbuckle

2008.09.27



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Raney

3425 Tam O' Shanter Dr.
Lawrence, KS
66047
ATTN: Duane Stecklein

Gunn/Gibson #1

18 10 19 Rooks KS

Job Ticket: 33128

DST#: 1

Test Start: 2008.09.27 @ 14:57:56

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:01:21

Time Test Ended: 21:54:50

Interval: **3720.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Total Depth: 3790.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Reference Elevations: 2234.00 ft (KB)

2229.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8371

Outside

Press@RunDepth: 737.34 psig @ 3724.00 ft (KB)

Start Date: 2008.09.27

End Date:

2008.09.27

Start Time: 14:57:56

End Time:

21:54:50

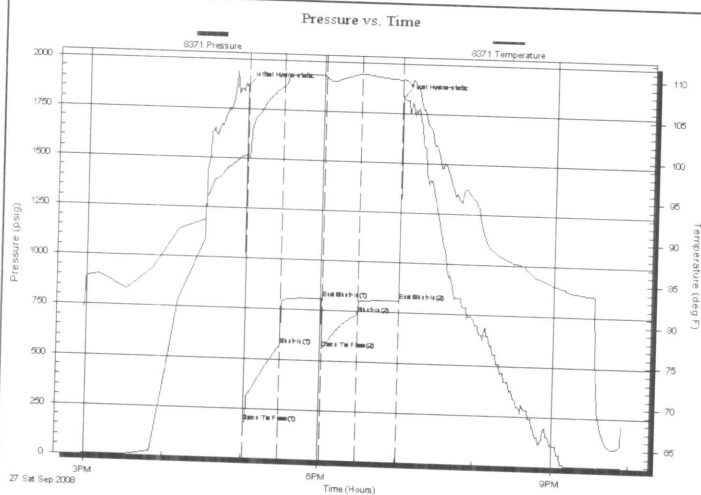
Capacity: 7000.00 psig

Last Calib.: 2008.09.27

Time On Btm: 2008.09.27 @ 17:00:51

Time Off Btm: 2008.09.27 @ 19:01:51

TEST COMMENT: IFP - BOB 1 min.
ISI - no blow back
FFP - BOB 2 min.
FSI - no blow back



PRESSURE SUMMARY

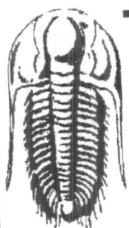
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.89	99.75	Initial Hydro-static
1	182.79	99.01	Open To Flow (1)
28	568.54	108.40	Shut-In(1)
60	809.83	109.85	End Shut-In(1)
61	559.82	109.72	Open To Flow (2)
88	737.34	110.12	Shut-In(2)
120	809.35	109.55	End Shut-In(2)
121	1833.62	109.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
805.00	GWCO 15%G, 50%O, 35%W	11.29
310.00	GW & MCO 20%G, 55%O, 10%W, 15%M	4.35
590.00	SOCGM 10%G, 10%O, 80%M	8.28

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raney

3425 Tam O' Shanter Dr.
Lawrence, Ks
66047
ATTN: Duane Stecklein

Gunn/Gibson #1

18 10 19 Rooks KS

Job Ticket: 33128

DST#: 1

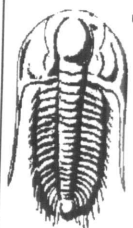
Test Start: 2008.09.27 @ 14:57:56

Tool Information

Drill Pipe:	Length: 3728.00 ft	Diameter: 3.80 inches	Volume: 52.29 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	52.29 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3720.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3705.00	
Hydraulic tool	5.00			3710.00	
Packer	5.00			3715.00	20.00 Bottom Of Top Packer
Packer	5.00			3720.00	
Stubb	1.00			3721.00	
Perforations	2.00			3723.00	
Change Over Sub	1.00			3724.00	
Recorder	0.00	8018	Inside	3724.00	
Recorder	0.00	8371	Outside	3724.00	
Blank Spacing	62.00			3786.00	
Change Over Sub	1.00			3787.00	
Bullhose	3.00			3790.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raney

Gunn/Gibson #1

3425 Tam O' Shanter Dr.
Lawrence, Ks
66047

18 10 19 Rooks KS

ATTN: Duane Stecklein

Job Ticket: 33128

DST#: 1

Test Start: 2008.09.27 @ 14:57:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.96 in³

Resistivity: ohm.m

Salinity: 2300.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

2900 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
805.00	GWCO 15%G, 50%O, 35%W	11.292
310.00	GW & MCO 20%G, 55%O, 10%W, 15%M	4.348
590.00	SOCGM 10%G, 10%O, 80%M	8.276

Total Length: 1705.00 ft

Total Volume: 23.916 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

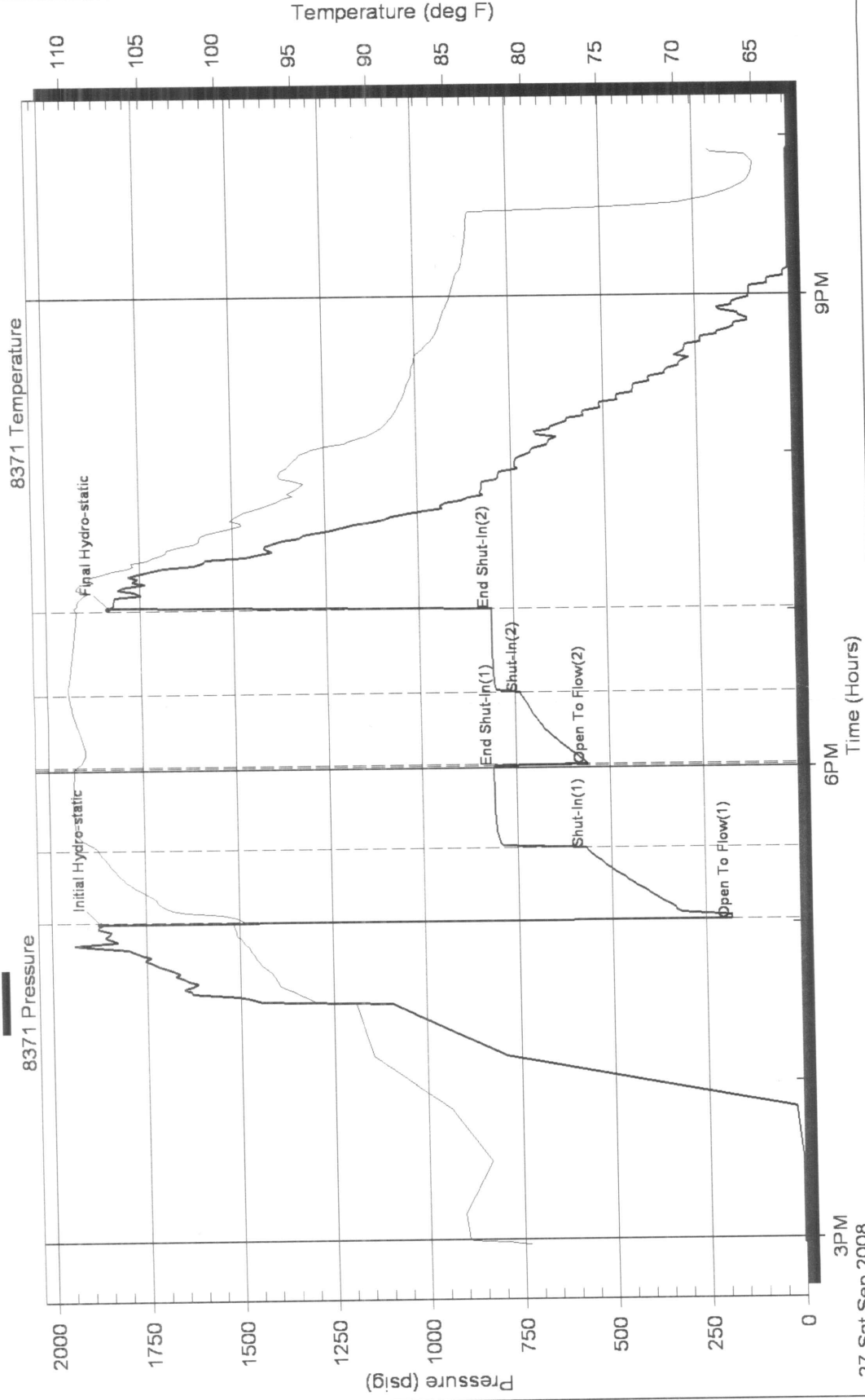
Serial #:

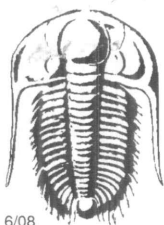
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 29 2008 3:128

BY: _____

Test Ticket

Well Name & No. Gunn / Gibson #1 Test No. 1 Date 09-27-08
Company Raney Zone Tested Arbuckle
Address 3425 Tam O'Shanter Dr, Lawrence, KS 66047 Elevation 2234 KB 2229 GL
Co. Rep / Geo. Duane Stecklein Rig Am Eagle 3
Location: Sec. 18 Twp. 10^s Rge. 19^w Co. Rooks State K
Comment: _____

Interval Tested 3720-3790 Drill Pipe Size 4 1/2 x 11
Anchor Length 70 Wt. Pipe Run —
Top Packer Depth 3715 Drill Collar Run —
Bottom Packer Depth 3720 Ft. Run 3728
Total Depth 3790 Recorder #(s) 8018, 8371
Blow Description IFP- BOB 1 min 30
ISI- no blow back 30
FFP- BOB 2 min 30
FST- no blow back 30

Recovery - Total Feet 1705 GIP — Ft. in DC — Ft. in DP —
Rec. 590 Feet of SOCGM 10 %gas 10 %oil — %water 80 %mud
Rec. 310 Feet of GW+MCO 20 %gas 55 %oil 10 %water 15 %mud
Rec. 805 Feet of GWCO 15 %gas 50 %oil 35 %water — %mud
Rec. — Feet of — %gas — %oil — %water — %mud
Rec. — Feet of — %gas — %oil — %water — %mud
BHT 110 °F Gravity — °API D @ — °F Corrected Gravity — °API
RW .200 @ 67 °F Chlorides 2900 ppm Recovery — Chlorides — ppm System

F 183-569 ☒ Test 1200- ☐ Sampler — ☐ Day Standby —
SI 810 ☐ Jars — ☐ Straddle — ☐ Accessibility —
F 560-737 ☐ Safety Joint — ☐ Shale Packer — ☐ Ruined Shale Packer —
SI 809 ☐ Circ Sub — ☐ Extra Packer — ☐ Ruined Packer —
-on Loc 1143 ☐ Hourly Standby 1 100- ☐ Extra Recorder — ☐ Extra Copies —
-started 1457 ☒ Mileage 94 RT 141- ☐ Other —
-open 1700 Sub Total 1441- Sub Total — Sub Total —
-pulled 900 Sub Total — Sub Total — Sub Total —
-out 2154 Sub Total — Sub Total — Sub Total 1441-

TriLOBITE Testing, Inc. shall not be liable for damage 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 test shall be paid for at cost by the party for whom the test is made.

Approved By _____

Our Representative

Brian Fairbank (Signature)