



**TRILOBITE
TESTING, INC.**

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration**

125 N Market St Ste 1252
Wichita KS 67202

ATTN: Keith Reavis

10 31 22W Clark KS

2-10 Giles Ranch

Start Date: 2007.02.09 @ 09:17:01

End Date: 2007.02.10 @ 00:14:16

Job Ticket #: 26904 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

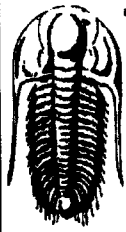
JUN 23 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.**

DRILL STEM TEST REPORT

Falcon Exploration

125 N Market St Ste 1252
Wichita KS 67202

ATTN: Keith Reavis

2-10 Giles Ranch

10 31 22W Clark KS

Job Ticket: 26904

DST#: 1

Test Start: 2007.02.09 @ 09:17:01

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 12:44:16

Time Test Ended: 00:14:16

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **5142.00 ft (KB) To 5184.00 ft (KB) (TVD)**

Total Depth: **5184.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2156.00 ft (KB)**

2146.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **1567.36 psig @ 5143.00 ft (KB)**

Start Date: **2007.02.09**

End Date:

2007.02.10

Start Time: **09:17:06**

End Time:

00:14:16

Capacity: **7000.00 psig**

Last Calib.: **2007.02.10**

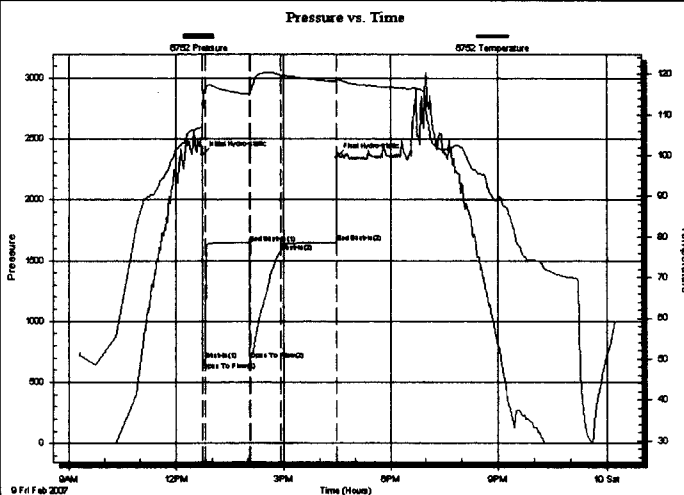
Time On Btm: **2007.02.09 @ 12:43:46**

Time Off Btm: **2007.02.09 @ 16:28:30**

TEST COMMENT: IF Strong Blow BOB in 90 seconds

ISI Would Not Bleed Off GTS in 3 minutes

FF Strong Blow GTS and BOB Immediate Caught Gas Sample Had SOCM To Surface @32 minutes @ 40 minutes Flow Died Off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.38	106.90	Initial Hydro-static
1	592.41	107.11	Open To Flow (1)
5	683.41	115.63	Shut-In(1)
80	1642.42	114.97	End Shut-In(1)
82	682.53	115.51	Open To Flow (2)
131	1567.36	119.75	Shut-In(2)
225	1643.23	118.06	End Shut-In(2)
225	2348.90	118.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSY OCM 20%G 5%O 75%M	0.84
180.00	GSY OCM 20%G 10%O 70%M	2.52
4208.00	MCO 5%M 95%O	59.03
699.00	OCM 30%O 70%M	9.81

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	9.00	8.76
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	9.00	8.76



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration

2-10 Giles Ranch

125 N Market St Ste 1252
Wichita KS 67202

10 31 22W Clark KS

Job Ticket: 26904

DST#: 1

ATTN: Keith Reavis

Test Start: 2007.02.09 @ 09:17:01

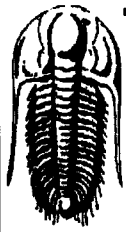
Tool Information

Drill Pipe:	Length: 5148.00 ft	Diameter: 3.80 inches	Volume: 72.21 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 72.21 bbl		Tool Chased ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	5142.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			5114.00	
Change Over Sub	1.00			5115.00	
Shut In Tool	5.00			5120.00	
Hydraulic tool	5.00			5125.00	
Jars	5.00			5130.00	
Safety Joint	3.00			5133.00	
Packer	5.00			5138.00	29.00 Bottom Of Top Packer
Packer	4.00			5142.00	
Stubb	1.00			5143.00	
Recorder	0.00	6752	Inside	5143.00	
Perforations	6.00			5149.00	
Drill Pipe	32.00			5181.00	
Recorder	0.00	6704	Outside	5181.00	
Bullnose	3.00			5184.00	42.00 Bottom Packers & Anchor

Total Tool Length: 71.00



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FLUID SUMMARY

Falcon Exploration

2-10 Giles Ranch

125 N Market St Ste 1252
Wichita KS 67202

10 31 22W Clark KS

Job Ticket: 26904

DST#: 1

ATTN: Keith Reavis

Test Start: 2007.02.09 @ 09:17:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

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
60.00	GSY OCM 20%G 5%O 75%M	0.842
180.00	GSY OCM 20%G 10%O 70%M	2.525
4208.00	MCO 5%M 95%O	59.027
699.00	OCM 30%O 70%M	9.805

Total Length: 5147.00 ft

Total Volume: 72.199 bbl

Num Fluid Samples: 1

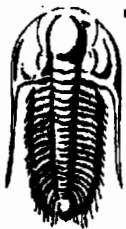
Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Fluid Started Unloading @ End Of Final Flow Dropped Bar And Reversed Out



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Falcon Exploration

2-10 Giles Ranch

125 N Market St Ste 1252
Wichita KS 67202

10 31 22W Clark KS

ATTN: Keith Reavis

Job Ticket: 26904

DST#: 1

Test Start: 2007.02.09 @ 09:17:01

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 (m ³ /d)
2	5	0.13	9.00	8.76
2	5	0.13	9.00	8.76
2	10	0.13	5.00	7.26

DST Test Number: 1

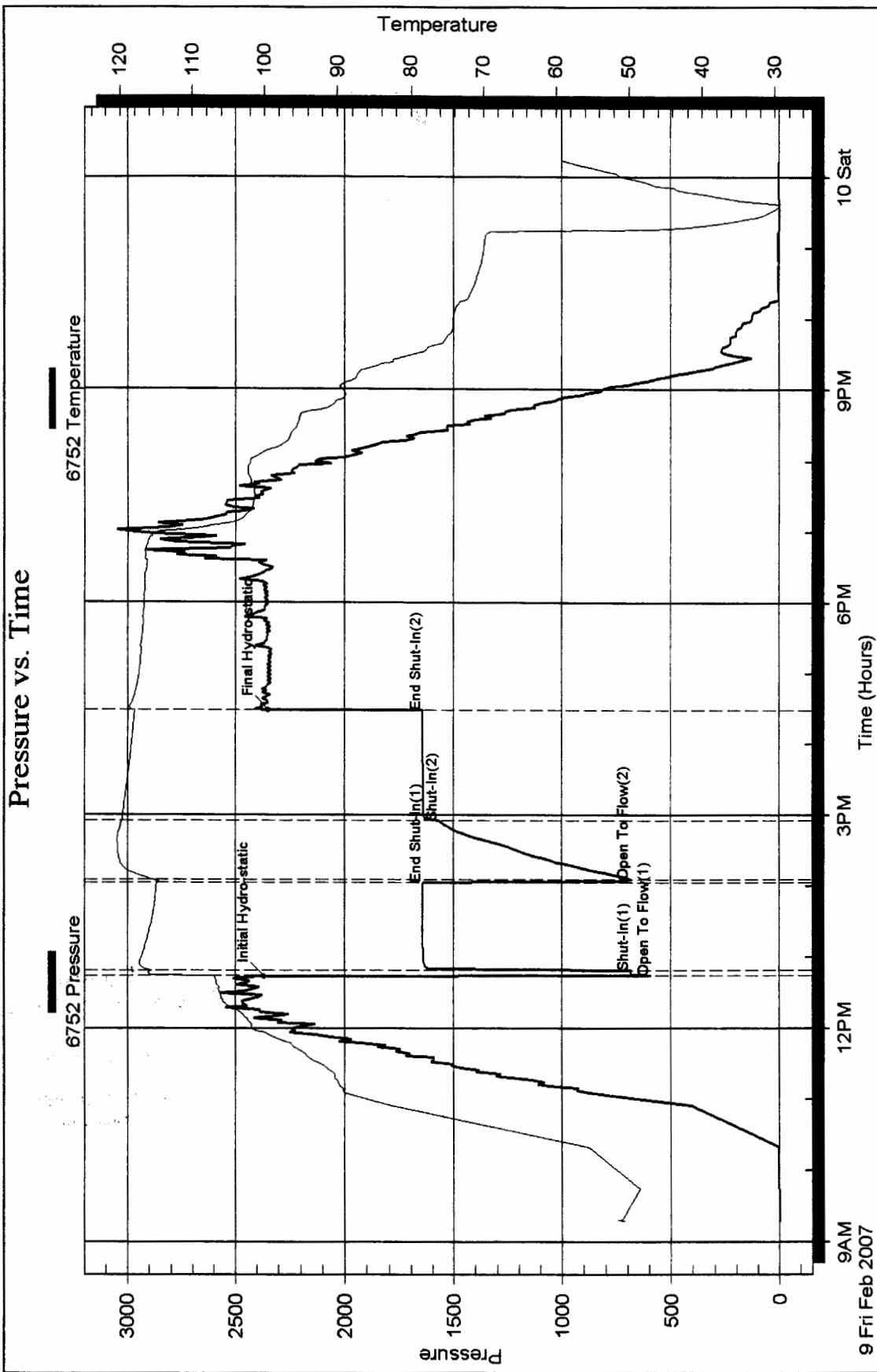
10 31 22W Clark KS

Falcon Exploration

Inside

Serial #: 6752

Pressure vs. Time



KGS

CONFIDENTIAL



**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration**

125 N Market St Ste 1252
Wichita KS 67202

ATTN: Keith Reavis

10 31 22W Clark KS

2-10 Giles Ranch

Start Date: 2007.02.10 @ 12:41:11

End Date: 2007.02.10 @ 18:48:56

Job Ticket #: 26905 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 23 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Falcon Exploration

125 N Market St Ste 1252
Wichita KS 67202

ATTN: Keith Reavis

2-10 Giles Ranch

10 31 22W Clark KS

Job Ticket: 26905

DST#: 2

Test Start: 2007.02.10 @ 12:41:11

GENERAL INFORMATION:

Formation: **Morrow/Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:10:11

Time Test Ended: 18:48:56

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **5185.00 ft (KB) To 5210.00 ft (KB) (TVD)**

Total Depth: 5210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2156.00 ft (KB)

2146.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6752 Inside

Press@RunDepth: psig @ 5186.00 ft (KB)

Start Date: 2007.02.10

End Date:

2007.02.10

Capacity: 7000.00 psig

Last Calib.: 2007.02.10

Start Time: 12:41:16

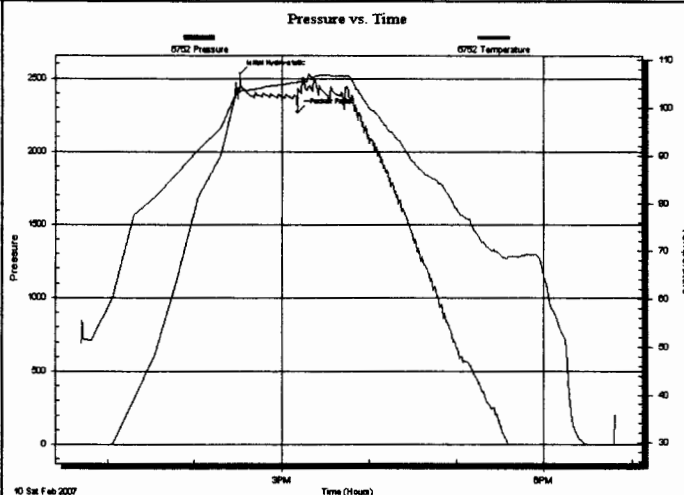
End Time:

18:48:55

Time On Btm: 2007.02.10 @ 14:31:41

Time Off Btm:

TEST COMMENT: Packer Failure Pulled Test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2531.51	103.33	Initial Hydro-static
39	2269.80	105.33	--Packer Failed

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration

2-10 Giles Ranch

125 N Market St Ste 1252
Wichita KS 67202

10 31 22W Clark KS

ATTN: Keith Reavis

Job Ticket: 26905

DST#: 2

Test Start: 2007.02.10 @ 12:41:11

Tool Information

Drill Pipe:	Length: 5180.00 ft	Diameter: 3.80 inches	Volume: 72.66 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	72.66 bbl	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	5185.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tried To Set Packer Twice Packer Failed
Both Times Pulled Test

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			5162.00	
Change Over Sub	1.00			5163.00	
Shut In Tool	5.00			5168.00	
Hydraulic tool	5.00			5173.00	
Jars	5.00			5178.00	
Safety Joint	3.00			5181.00	
Packer	4.00			5185.00	24.00 Bottom Of Top Packer
Stubb	1.00			5186.00	
Recorder	0.00	6752	Inside	5186.00	
Perforations	21.00			5207.00	
Recorder	0.00	6704	Outside	5207.00	
Bullnose	3.00			5210.00	25.00 Anchor Tool

Total Tool Length: 49.00



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2-10 Giles Ranch

125 N Market St Ste 1252
Wichita KS 67202

10 31 22W Clark KS

Job Ticket: 26905

DST#: 2

ATTN: Keith Reavis

Test Start: 2007.02.10 @ 12:41:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

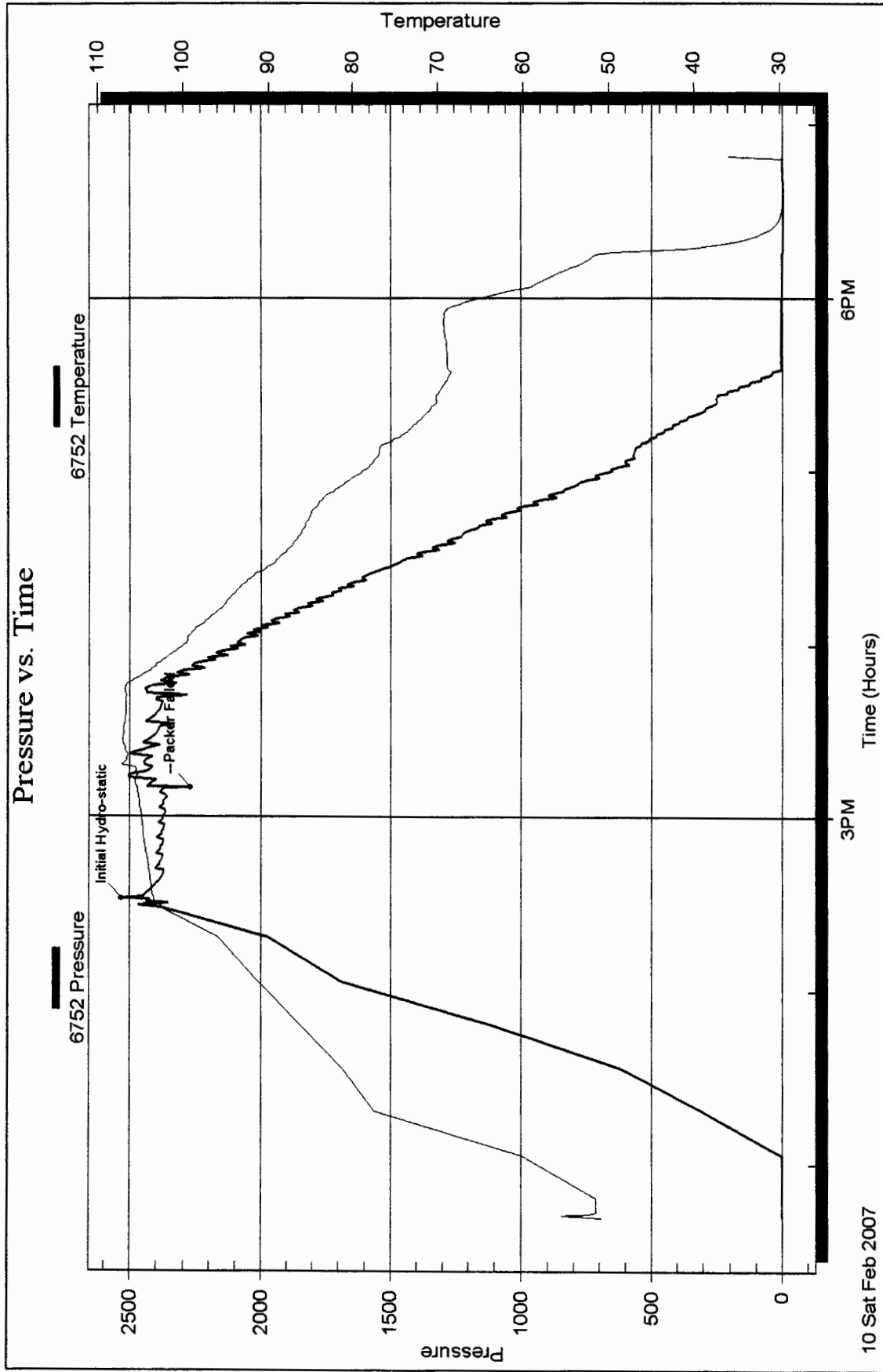
Serial #: 6752

Inside

Falcon Exploration

10 31 22W Clark KS

DST Test Number: 2



Company **Falcon Exploration, Inc.**
 Address **125 N. Market, Suite 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Mike Mitchell**

Lease Name **Giles Ranch**
 Lease # **2-10**
 Legal Desc **160'S NE NWNE**
 Section **10**
 Township **31S**
 County **Clark**
 Drilling Cont **Val Drilling #2**

Job Ticket **2731**
 Range **22W**
 State **KS**

Comments **Top packer failure**

GENERAL INFORMATION

Test # **3** Test Date **2/11/2007**
 Tester **Richard Holtz**
 Test Type **Conventional Bottom Hole Successful Test**

of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**
 Mud Weight **9** Viscosity **55.0**
 Filtrate **8.8** Chlorides **5000**

Drill Collar Len **0**
 Wght Pipe Len **0**

Formation **Mississippi**
 Interval Top **5247.0** Bottom **5272.0**
 Anchor Len Below **25.0** Between **0**
 Total Depth **5272.0**

Blow Type **Initial Flow, strong blow, BOB in 1 min. Gas to surface on initial shut in.**
Final Flow strong blow, BOB in 1.5 min. dieing 3 min into open.

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1023**
 Mid Recorder #
 Bott Recorder # **13564**

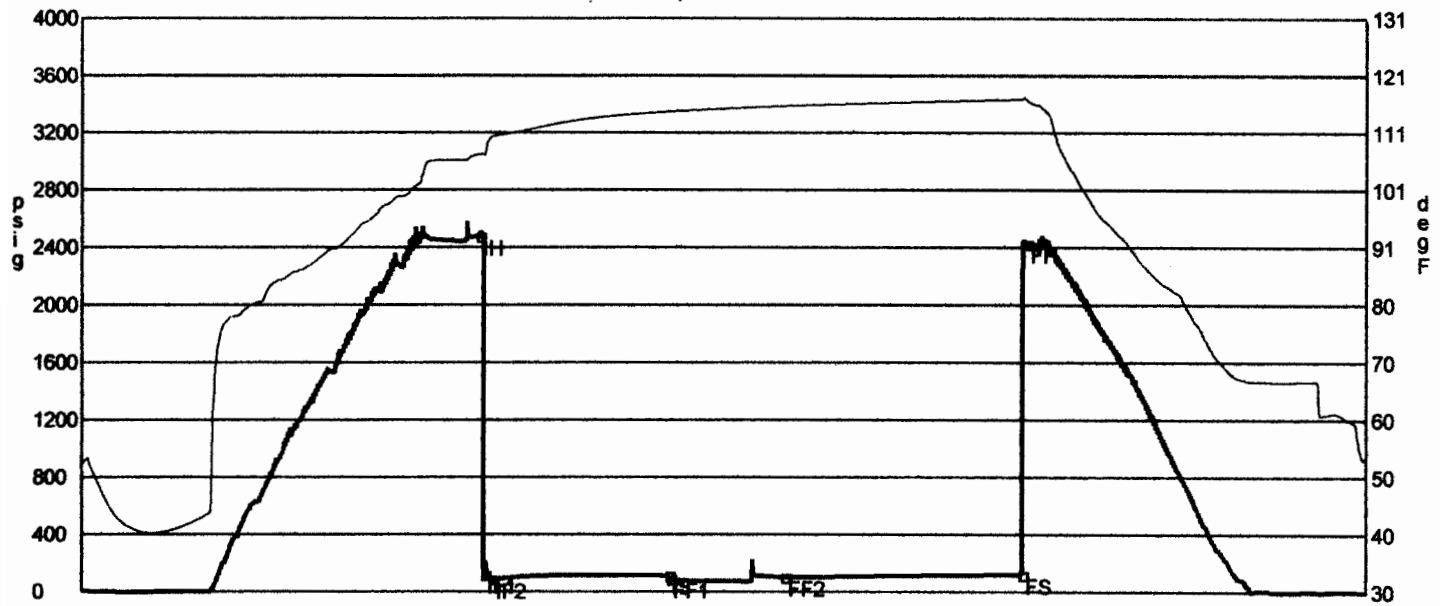
Mileage **128** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars and safety joint**
 Time on Site **6:45 AM**
 Tool Picked Up **9:00 AM**
 Tool Layed Dwn **7:00 PM**

Elevation **2178.00** Kelley Bushings **2188.00**

Start Date/Time **2/11/2007 8:07 AM**
 End Date/Time **2/11/2007 7:09 PM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
135	Drilling Mud w/ trace of oil and gas	5% 6.8ft	trace	0% 0ft	95% 128.2ft
DST Fluids 0					



	Date	Time	Pressure	Temp	
IH	2/11/2007 11:31:00 AM	3.4	2474.682	107.007	Initial Hydro-static
IF1	2/11/2007 11:33:30 AM	3.441667	118.402	106.8	Initial Flow (1)
IF2	2/11/2007 11:38:00 AM	3.516667	86.557	110.208	Initial Flow (2)
IS	2/11/2007 1:08:30 PM	5.025	115.182	114.588	Initial Shut-In
FF1	2/11/2007 1:09:15 PM	5.0375	88.828	114.625	Final Flow (1)
FF2	2/11/2007 2:08:15 PM	6.020833	103.93	115.558	Final Flow (2)
FS	2/11/2007 4:10:30 PM	8.058333	122.021	116.741	Final Shut-In
FH	2/11/2007 4:12:45 PM	8.095833	2426.887	116.693	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke