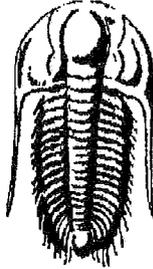


15-095-22197

16-30s-10w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Dixon Energy Inc.**

8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226

ATTN: Ryan Dixon

16-30s-10w KingmanKS

Marker#1

Start Date: 2009.12.31 @ 13:56:01

End Date: 2009.12.31 @ 21:03:46

Job Ticket #: 35737 DST #: 1

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

APR 22 2010

CONSERVATION DIVISION
WICHITA, KS

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

Dixon Energy Inc.

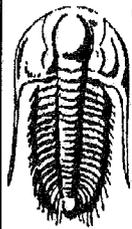
Marker#1

16-30s-10w KingmanKS

DST # 1

Indian Cave

2009.12.31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

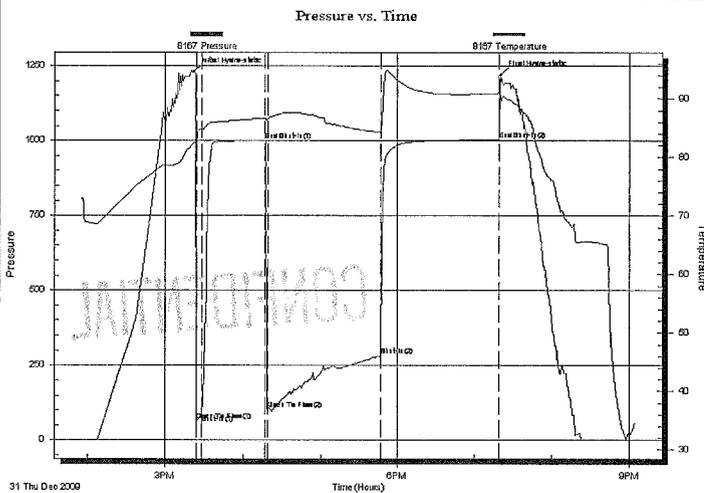
Marker#1
16-30s-10w KingmanKS
Job Ticket: 35737 **DST#: 1**
Test Start: 2009.12.31 @ 13:56:01

GENERAL INFORMATION:

Formation: **Indian Cave**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:24:31
Time Test Ended: 21:03:46
Interval: **2580.00 ft (KB) To 2625.00 ft (KB) (TVD)**
Total Depth: 2625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39
Reference Elevations: 1757.00 ft (KB)
1747.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 282.28 psig @ 2581.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.12.31 End Date: 2009.12.31 Last Calib.: 2009.12.31
Start Time: 13:56:06 End Time: 21:03:45 Time On Btm: 2009.12.31 @ 15:22:16
Time Off Btm: 2009.12.31 @ 19:21:00

TEST COMMENT: IF:Strong blow . B.O.B. in 2 1/2 mins.
ISI:No blow .
FF:Strong blow . GTS in 2 1/2 mins. (see gas flow report)
FSI:Weak to fair blow . 1 - 4".



PRESSURE SUMMARY

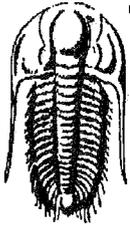
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1229.43	82.43	Initial Hydro-static
3	66.51	82.52	Open To Flow (1)
6	85.75	84.74	Shut-In(1)
55	999.53	86.65	End Shut-In(1)
57	103.07	86.51	Open To Flow (2)
145	282.28	84.25	Shut-In(2)
238	1003.00	90.99	End Shut-In(2)
239	1220.47	89.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
246.00	SW /Rw .17ohms@ 42 deg	1.78
200.00	GCMW 6%g 19%m 75%w	2.81

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	7.00	78.39
Last Gas Rate	0.75	29.00	677.90
Max. Gas Rate	0.50	60.00	501.88



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

Marker#1
16-30s-10w KingmanKS
Job Ticket: 35737 DST#: 1
Test Start: 2009.12.31 @ 13:56:01

Tool Information

Drill Pipe:	Length: 2398.00 ft	Diameter: 3.80 inches	Volume: 33.64 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 34.54 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2580.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2558.00	
Shut in tool	5.00			2563.00	
HMV	5.00			2568.00	
Safety Joint	3.00			2571.00	
Packer	4.00			2575.00	23.00 Bottom Of Top Packer
Packer	5.00			2580.00	
Stubb	1.00			2581.00	
Recorder	0.00	8167	Inside	2581.00	
Recorder	0.00	8370	Outside	2581.00	
Perforations	39.00			2620.00	
Bullnose	5.00			2625.00	45.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Energy Inc.

Marker#1

8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

16-30s-10w KingmanKS
Job Ticket: 35737 **DST#: 1**
Test Start: 2009.12.31 @ 13:56:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 94.00 lb/gal	Cushion Length: ft	Water Salinity:	79000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 28.51 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 110000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
246.00	SW /Rw .17ohms@ 42 deg	1.784
200.00	GCMW 6%g 19%m 75%w	2.805

Total Length: 446.00 ft Total Volume: 4.589 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .17 @ 42F = 79000 chlorides



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

Marker#1
16-30s-10w KingmanKS
Job Ticket: 35737 DST#: 1
Test Start: 2009.12.31 @ 13:56:01

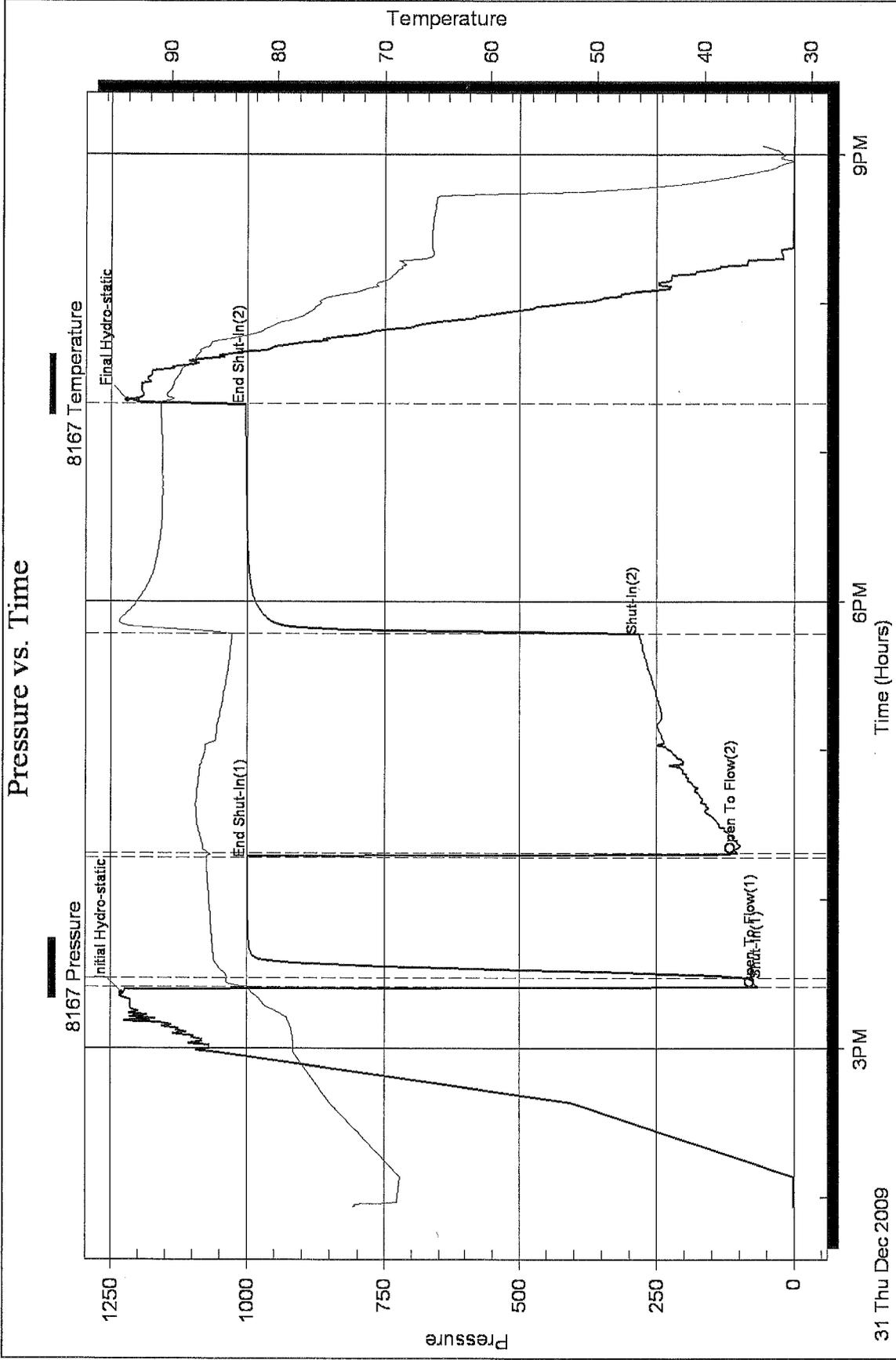
Gas Rates Information

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	10	0.38	7.00	78.39
2	10	0.38	7.00	78.39
2	20	0.50	22.00	245.54
2	30	0.50	34.00	326.49
2	40	0.50	48.00	420.93
2	50	0.50	60.00	501.88
2	60	0.75	23.00	584.18
2	70	0.75	25.00	615.42
2	90	0.75	29.00	677.90

Pressure vs. Time



31 Thu Dec 2009



DRILL STEM TEST REPORT

Prepared For: **Dixon Energy Inc.**

8100 E. 22nd. N. Bldg. 300
Ste. 200
Wichita KS 67226

ATTN: Ryan Dixon

16-30s-10w KingmanKS

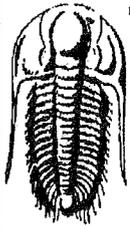
Marker#1

Start Date: 2010.01.05 @ 15:38:29

End Date: 2010.01.05 @ 22:43:59

Job Ticket #: 35738 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

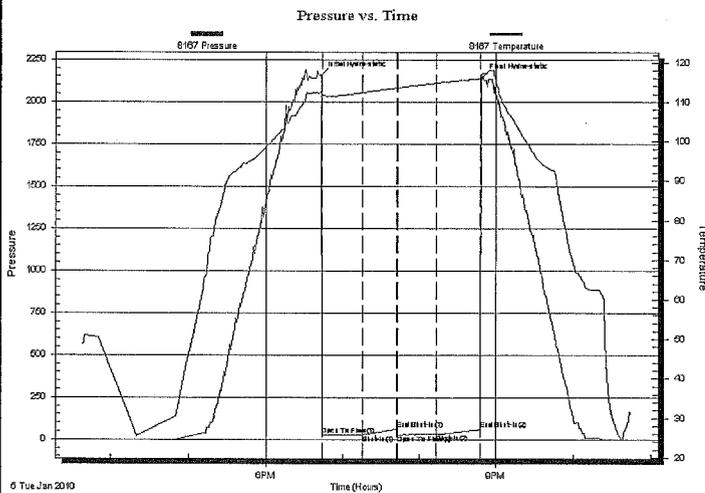
Marker#1
16-30s-10w KingmankS
Job Ticket: 35738 **DST#: 2**
Test Start: 2010.01.05 @ 15:38:29

GENERAL INFORMATION:

Formation: **Misws.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:42:59
Time Test Ended: 22:43:59
Interval: **4350.00 ft (KB) To 4415.00 ft (KB) (TVD)**
Total Depth: 4415.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39
Reference Elevations: 1757.00 ft (KB)
1747.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 31.42 psig @ 4351.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.01.05 End Date: 2010.01.05 Last Calib.: 2010.01.05
Start Time: 15:38:34 End Time: 22:43:58 Time On Btm: 2010.01.05 @ 18:42:14
Time Off Btm: 2010.01.05 @ 20:49:29

TEST COMMENT: IF:Weak blow . 1/2 - 2 1/4".
IS:No blow.
FF:Weak blow . 1/2 - 1 1/2".
FS:No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.13	112.34	Initial Hydro-static
1	26.49	111.80	Open To Flow (1)
34	29.28	112.39	Shut-In(1)
61	64.40	113.63	End Shut-In(1)
61	28.32	113.64	Open To Flow (2)
91	31.42	114.82	Shut-In(2)
126	60.36	116.00	End Shut-In(2)
128	2145.89	117.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig. mud	0.10
0.00	100 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

Marker#1
16-30s-10w KingmanKS
Job Ticket: 35738 **DST#: 2**
Test Start: 2010.01.05 @ 15:38:29

Tool Information

Drill Pipe:	Length: 4160.00 ft	Diameter: 3.80 inches	Volume: 58.35 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 59.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4350.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4328.00	
Shut in tool	5.00			4333.00	
HMV	5.00			4338.00	
Safety Joint	3.00			4341.00	
Packer	4.00			4345.00	23.00 Bottom Of Top Packer
Packer	5.00			4350.00	
Stubb	1.00			4351.00	
Recorder	0.00	8167	Inside	4351.00	
Recorder	0.00	8370	Outside	4351.00	
Perforations	5.00			4356.00	
C.O. Sub	1.00			4357.00	
Blank Spacing	32.00			4389.00	
C.O. Sub	1.00			4390.00	
Perforations	20.00			4410.00	
Bullnose	5.00			4415.00	65.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Energy Inc.

Marker#1

8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

16-30s-10w KingmanKS

Job Ticket: 35738 **DST#: 2**
Test Start: 2010.01.05 @ 15:38:29

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:	3500 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drlg.mud	0.098
0.00	100 ft.of GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8167

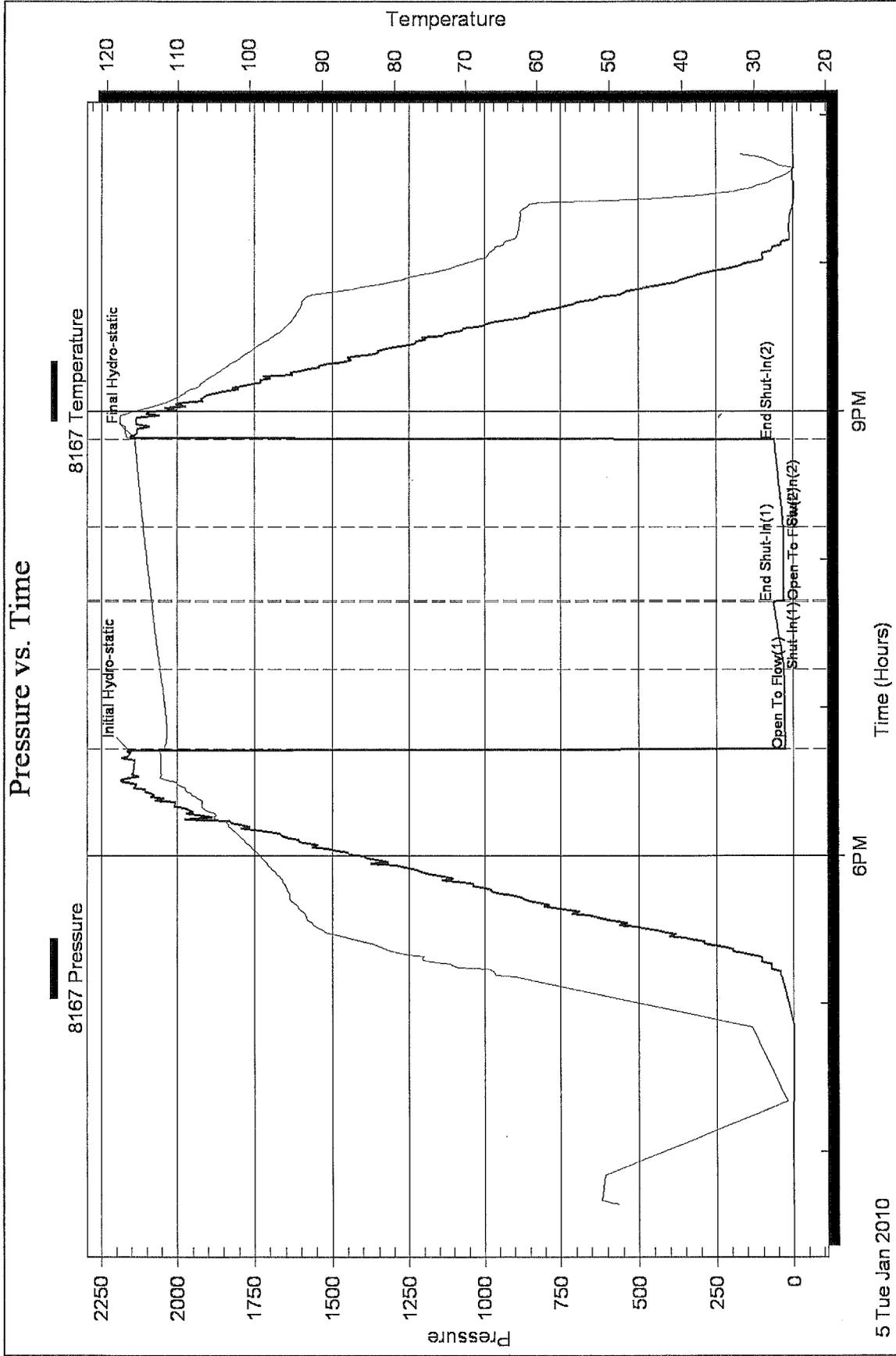
Inside

Dixon Energy Inc.

16-30s-10w KingmanKS

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 35738

Printed: 2010.01.11 @ 20:13:14 Page 5



DRILL STEM TEST REPORT

Prepared For: **Dixon Energy Inc.**

8100 E. 22nd. N. Bldg. 300
Ste. 200
Wichita KS 67226

ATTN: Ryan Dixon

16-30s-10w KingmanKS

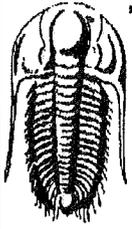
Marker#1

Start Date: 2010.01.07 @ 02:22:02

End Date: 2010.01.07 @ 11:37:17

Job Ticket #: 35739 DST #: 3

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

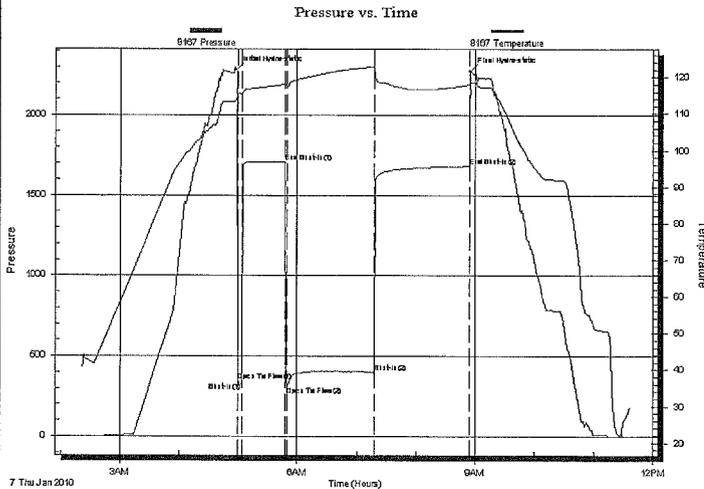
Marker#1
16-30s-10w KingmanKS
Job Ticket: 35739 **DST#: 3**
Test Start: 2010.01.07 @ 02:22:02

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:00:02
Time Test Ended: 11:37:17
Interval: **4617.00 ft (KB) To 4635.00 ft (KB) (TVD)**
Total Depth: 4635.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39
Reference Elevations: 1757.00 ft (KB)
1747.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 Inside
Press@RunDepth: 334.93 psig @ 4618.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.01.07 End Date: 2010.01.07 Last Calib.: 2010.01.07
Start Time: 02:22:07 End Time: 11:37:17 Time On Btm: 2010.01.07 @ 04:57:32
Time Off Btm: 2010.01.07 @ 08:54:46

TEST COMMENT: IF:Strong blow . GTS in 95 secs.
IS!No blow .
FF:Strong blow . (see gas flow report)
FS!No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.52	113.84	Initial Hydro-static
3	345.64	115.11	Open To Flow (1)
7	334.93	115.04	Shut-In(1)
51	1709.35	118.05	End Shut-In(1)
53	312.60	117.15	Open To Flow (2)
141	400.60	122.74	Shut-In(2)
236	1680.27	117.94	End Shut-In(2)
238	2273.11	118.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCWM 18%g 27%o 27%w 28%m	0.30
70.00	GOCM 12%g 26%o 62%m	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	115.00	2021.21
Last Gas Rate	0.75	108.00	1911.87
Max. Gas Rate	0.75	115.00	2021.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

Marker#1
16-30s-10w KingmanKS
Job Ticket: 35739 **DST#: 3**
Test Start: 2010.01.07 @ 02:22:02

Tool Information

Drill Pipe:	Length: 4442.00 ft	Diameter: 3.80 inches	Volume: 62.31 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4617.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4595.00	
Shut in tool	5.00			4600.00	
HMV	5.00			4605.00	
Safety Joint	3.00			4608.00	
Packer	4.00			4612.00	23.00 Bottom Of Top Packer
Packer	5.00			4617.00	
Stubb	1.00			4618.00	
Recorder	0.00	8167	Inside	4618.00	
Recorder	0.00	8370	Outside	4618.00	
Perforations	12.00			4630.00	
Bullnose	5.00			4635.00	18.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Energy Inc.
8100 E.22nd.N.Bldg.300
Ste.200
Wichita KS 67226
ATTN: Ryan Dixon

Marker#1
16-30s-10w KingmanKS
Job Ticket: 35739 **DST#: 3**
Test Start: 2010.01.07 @ 02:22:02

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:	3500 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCWM 18%g 27%o 27%w 28%m	0.295
70.00	GOCM 12%g 26%o 62%m	0.344

Total Length: 130.00 ft Total Volume: 0.639 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: GP-3
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Dixon Energy Inc.

Marker#1

8100 E.22nd.N.Bldg.300

16-30s-10w KingmanKS

Ste.200

Job Ticket: 35739

DST#: 3

Wichita KS 67226

ATTN: Ryan Dixon

Test Start: 2010.01.07 @ 02:22:02

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	10	0.75	115.00	2021.21
2	10	0.75	115.00	2021.21
2	20	0.75	106.00	1880.63
2	30	0.75	108.00	1911.87
2	40	0.75	108.00	1911.87
2	50	0.75	108.00	1911.87
2	60	0.75	108.00	1911.87
2	80	0.75	106.00	1880.63
2	90	0.75	108.00	1911.87

DST Test Number: 3

16-30s-10w KingmanKS

Dxon Energy Inc.

Inside

Serial #: 8167

Pressure vs. Time

