

15-069-20312

KG5 ✓



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc.**

1601 NW Expressway Ste. 1300 Oklahoma
City Ok. 73118-1462

ATTN: Ed Greaves

15 27 30 Gray KS

Unruh Trust 1-15

Start Date: 2008.11.26 @ 17:30:00

End Date: 2008.11.27 @ 03:01:00

Job Ticket #: 34144 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Raydon Exploration Inc.

Unruh Trust 1-15

15 27 30 Gray KS

DST # 1

Toronto

2008.11.26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration Inc.

Unruh Trust 1-15

1601 NW Expressway Ste. 1300 Oklahoma City Ok. 73118-1462

15 27 30 Gray KS

Job Ticket: 34144

DST#: 1

ATTN: Ed Greaves

Test Start: 2008.11.26 @ 17:30:00

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 20:07:30

Time Test Ended: 03:01:00

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **4142.00 ft (KB) To 4154.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 4154.00 ft (KB) (TVD)

2778.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6751

Inside

Press@RunDepth: 442.09 psig @ 4143.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.11.26

End Date: 2008.11.27

Last Calib.: 2008.11.27

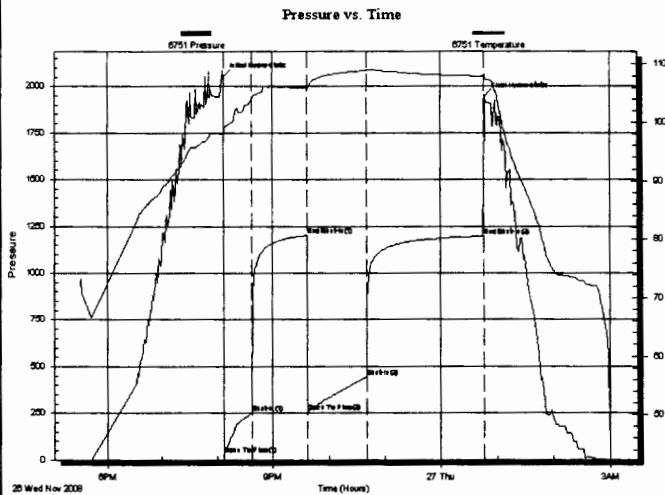
Start Time: 17:30:01

End Time: 03:01:00

Time On Btm: 2008.11.26 @ 20:07:00

Time Off Btm: 2008.11.27 @ 00:47:30

TEST COMMENT: IF- Good blow building blow BOB 10min.
 IS- No blow back.
 FF- Good building blow BOB 12min.
 FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.50	98.11	Initial Hydro-static
1	29.14	97.16	Open To Flow (1)
31	251.07	103.99	Shut-In(1)
90	1199.95	105.92	End Shut-In(1)
90	256.14	105.52	Open To Flow(2)
153	442.09	108.92	Shut-In(2)
280	1195.93	107.95	End Shut-In(2)
281	1947.05	107.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
750.00	SGOCW 100%w ater trace gas & oil	7.16

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc.

Unruh Trust 1-15

1601 NW Expressway Ste. 1300 Oklahoma City
Ok. 73118-1462

15 27 30 Gray KS

Job Ticket: 34144

DST#: 1

ATTN: Ed Greaves

Test Start: 2008.11.26 @ 17:30:00

Tool Information

Drill Pipe:	Length: 3757.00 ft	Diameter: 3.80 inches	Volume: 52.70 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: 25000.00 lb
Drill Collar:	Length: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4142.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 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			4119.00	
Hydraulic tool	5.00			4124.00	
Jars	5.00			4129.00	
Safety Joint	3.00			4132.00	
Packer	5.00			4137.00	28.00 Bottom Of Top Packer
Packer	5.00			4142.00	
Stubb	1.00			4143.00	
Recorder	0.00	6751	Inside	4143.00	
Recorder	0.00	8355	Inside	4143.00	
Perforations	7.00			4150.00	
Bullnose	4.00			4154.00	12.00 Bottom Packers & Anchor

Total Tool Length: 40.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc.

Unruh Trust 1-15

1601 NW Expressway Ste. 1300 Oklahoma City
Ok. 73118-1462

15 27 30 Gray KS

Job Ticket: 34144

DST#: 1

ATTN: Ed Greaves

Test Start: 2008.11.26 @ 17:30:00

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:

28000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.54 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
750.00	SGOCW 100%water trace gas & oil	7.159

Total Length: 750.00 ft

Total Volume: 7.159 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .500 @ 35F

Serial #: 6751

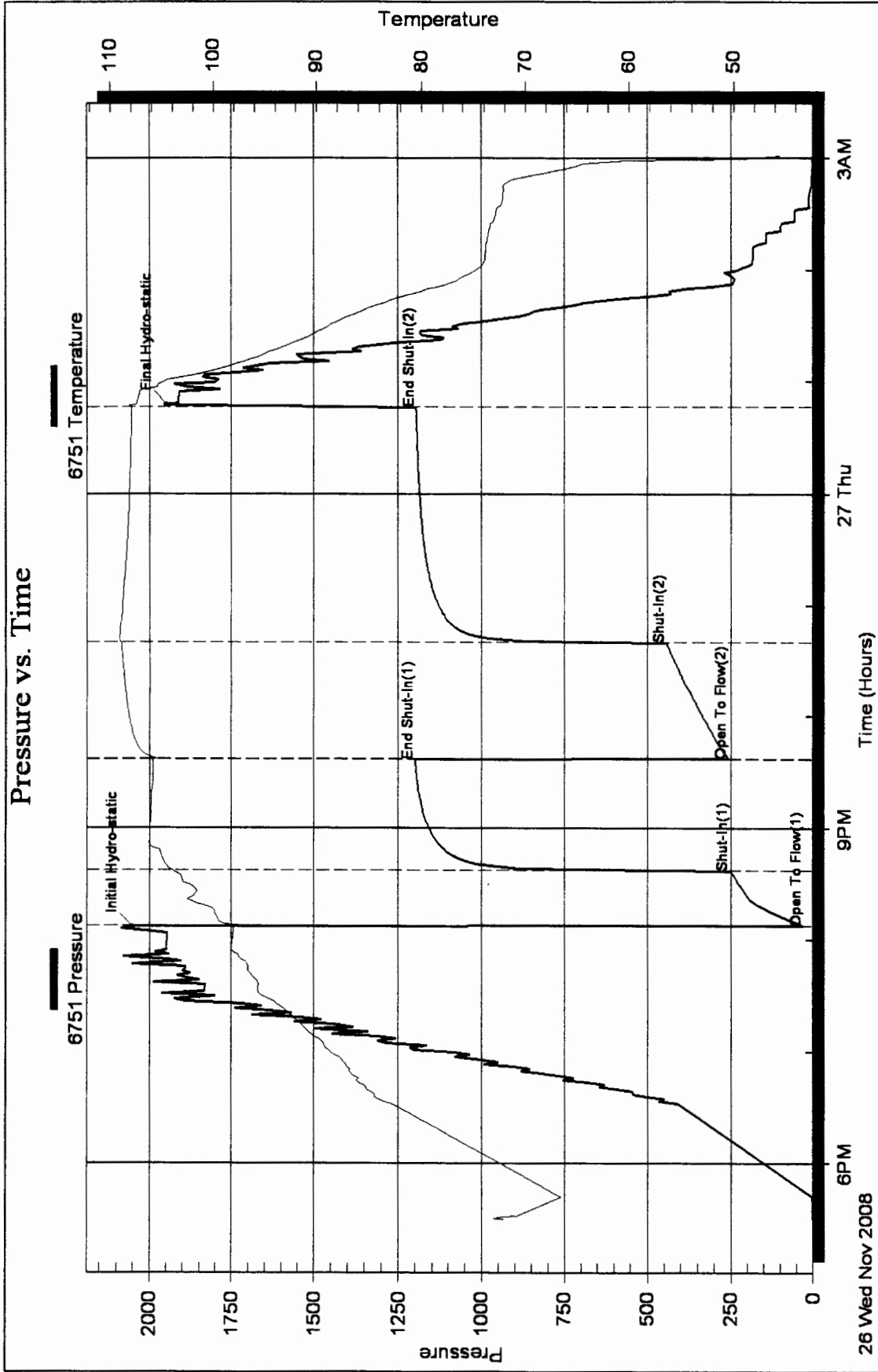
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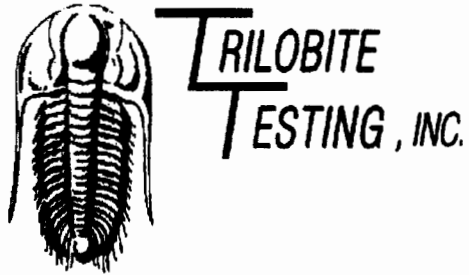
Raydon Exploration Inc.

15 27 30 Gray KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc.**

1601 NW Expressway Ste. 1300 Oklahoma
City Ok. 73118-1462

ATTN: Ed Greaves

15 27 30 Gray KS

Unruh Trust 1-15

Start Date: 2008.12.03 @ 21:30:53

End Date: 2008.12.04 @ 09:21:38

Job Ticket #: 30816 DST #: 2

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DRILL STEM TEST REPORT

Raydon Exploration Inc.

Unruh Trust 1-15

1601 NW Expressway Ste. 1300 Oklahoma City
Ok. 73118-1462

15 27 30 Gray KS

Job Ticket: 30816

DST#: 2

ATTN: Ed Greaves

Test Start: 2008.12.03 @ 21:30:53

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:50:23

Time Test Ended: 09:21:38

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 28

Interval: **6260.00 ft (KB) To 6280.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 6820.00 ft (KB) (TVD)

2778.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6752

Inside

Press@RunDepth: 40.00 psig @ 6266.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.12.03

End Date:

2008.12.04

Last Calib.:

2008.12.04

Start Time: 21:30:54

End Time:

09:21:38

Time On Btm:

2008.12.04 @ 01:48:38

Time Off Btm:

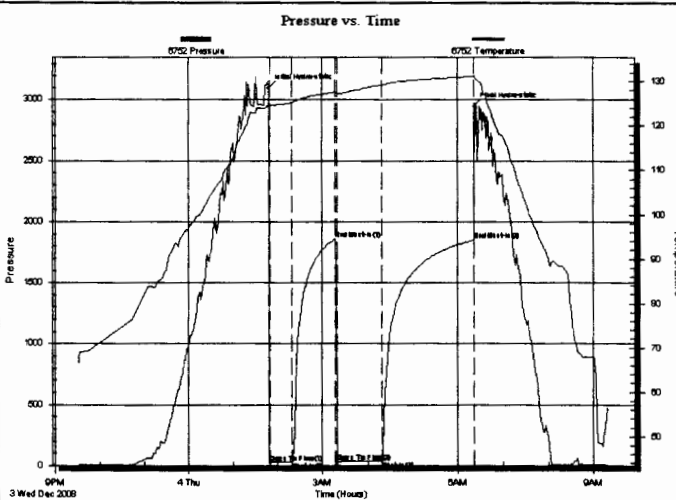
2008.12.04 @ 06:21:08

TEST COMMENT: IF-Weak surface blow ,Blow died after 10 min

IS- No blow back

FF- No blow

FS- No blow back



PRESSURE SUMMARY

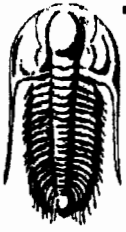
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3096.95	124.35	Initial Hydro-static
2	25.54	124.52	Open To Flow (1)
32	31.04	125.25	Shut-In(1)
89	1855.37	127.59	End Shut-In(1)
92	32.75	127.15	Open To Flow (2)
150	40.00	129.15	Shut-In(2)
272	1848.93	131.17	End Shut-In(2)
273	2948.90	131.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.15

Gas Rates

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



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TOOL DIAGRAM

Raydon Exploration Inc.
1601 NW Expressway Ste. 1300 Oklahoma City
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Unruh Trust 1-15
15 27 30 Gray KS
Job Ticket: 30816 **DST#: 2**
Test Start: 2008.12.03 @ 21:30:53

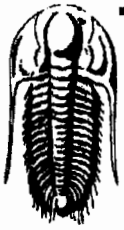
Tool Information

Drill Pipe:	Length: 5872.00 ft	Diameter: 3.80 inches	Volume: 82.37 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: 25000.00 lb
Drill Collar:	Length: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 84.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	6260.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	47.00 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			6238.00	
Shut In Tool	5.00			6243.00	
Hydraulic tool	5.00			6248.00	
Jars	5.00			6253.00	
Safety Joint	2.00			6255.00	
Packer	5.00		Fluid	6260.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			6264.00	
Stubb	1.00			6265.00	
Perforations	1.00			6266.00	
Recorder	0.00	6752	Inside	6266.00	
Recorder	0.00	8321	Inside	6266.00	
Perforations	15.00			6281.00	
Bullnose	3.00			6284.00	24.00 Anchor Tool

Total Tool Length: 47.00



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Job Ticket: 30816

DST#: 2

ATTN: Ed Greaves

Test Start: 2008.12.03 @ 21:30:53

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: