

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Grieves

13-33-29 Meade KS

Calhoun #1-13

Start Date: 2001.10.06 @ 20:33:52

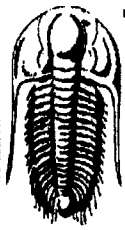
End Date: 2001.10.07 @ 06:51:07

Job Ticket #: 13437

DST #: 1

RECEIVED
MAR 28 2002
KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raydon Exploration Inc

Calhoun #1-13

9400 N Broadway Ste 400 Oklahoma City OK
73114

13-33-29 Meade KS

Job Ticket: 13437

DST#: 1

ATTN: Ed Grieves

Test Start: 2001.10.06 @ 20:33:52

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:06:07

Time Test Ended: 06:51:07

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5603.00 ft (KB) To 5680.00 ft (KB) (TVD)**

Reference Elevations: 2473.00 ft (KB)

Total Depth: 5680.00 ft (KB) (TVD)

2461.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: **3027**

Inside

Press@RunDepth: 96.55 psig @ 5609.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.10.06

End Date:

2001.10.07

Last Calib.: 2001.01.08

Start Time: 20:33:54

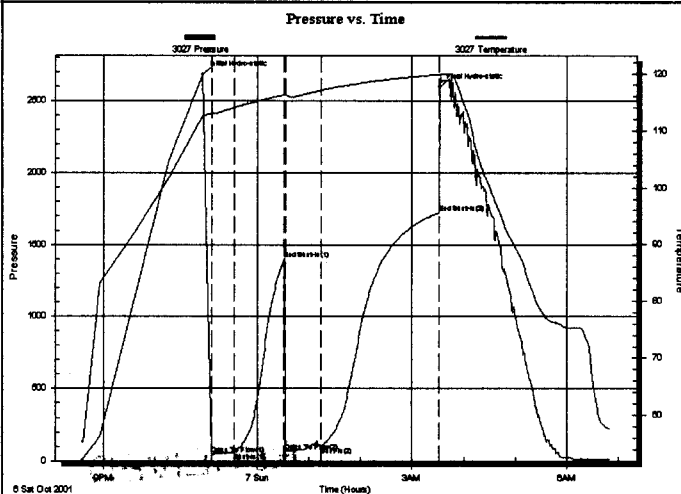
End Time:

06:51:07

Time On Btm: 2001.10.06 @ 22:55:52

Time Off Btm: 2001.10.07 @ 03:32:07

TEST COMMENT: IF-weak blow built to 3 inches
 IS-no blow back
 FF-weak surface blow died off after 30 min
 FS-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2679.38	112.51	Initial Hydro-static
11	44.10	113.00	Open To Flow (1)
36	60.24	114.01	Shut-In(1)
95	1399.90	116.26	End Shut-In(1)
97	67.65	116.33	Open To Flow (2)
138	96.55	117.03	Shut-In(2)
276	1724.58	119.81	End Shut-In(2)
277	2591.78	119.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	100% Mud	0.39
660.00	gas in pipe	6.69

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM																																																																																																																								
Raydon Exploration Inc 9400 N Broadway Ste 400 Oklahoma City OK 73114 ATTN: Ed Grieves		Calhoun #1-13 13-33-29 Meade KS Job Ticket: 13437 DST#: 1 Test Start: 2001.10.06 @ 20:33:52																																																																																																																									
Tool Information																																																																																																																											
Drill Pipe: Length: 5219.00 ft Diameter: 3.80 inches Volume: 73.21 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Drill Collar: Length: 362.00 ft Diameter: 2.25 inches Volume: 1.78 bbl Drill Pipe Above KB: 6.00 ft Depth to Top Packer: 5603.00 ft Depth to Bottom Packer: ft Interval between Packers: 77.00 ft Tool Length: 105.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments:	Tool Weight: 1800.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 85000.00 lb Tool Chased 0.00 ft String Weight: Initial 68000.00 lb Final 69000.00 lb Total Volume: 74.99 bbl																																																																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tool Description</th> <th style="text-align: left;">Length (ft)</th> <th style="text-align: left;">Serial No.</th> <th style="text-align: left;">Position</th> <th style="text-align: left;">Depth (ft)</th> <th style="text-align: left;">Accum. Lengths</th> </tr> </thead> <tbody> <tr> <td>C.O. Sub</td> <td>1.00</td> <td></td> <td></td> <td>5576.00</td> <td></td> </tr> <tr> <td>S.I. Tool</td> <td>5.00</td> <td></td> <td></td> <td>5581.00</td> <td></td> </tr> <tr> <td>HMV</td> <td>5.00</td> <td></td> <td></td> <td>5586.00</td> <td></td> </tr> <tr> <td>Jars</td> <td>5.00</td> <td></td> <td></td> <td>5591.00</td> <td></td> </tr> <tr> <td>Safety Joint</td> <td>2.00</td> <td></td> <td></td> <td>5593.00</td> <td></td> </tr> <tr> <td>Change Over Sub</td> <td>1.00</td> <td></td> <td></td> <td>5594.00</td> <td></td> </tr> <tr> <td>Packer</td> <td>5.00</td> <td></td> <td></td> <td>5599.00</td> <td>28.00 Bottom Of Top Packer</td> </tr> <tr> <td>Packer</td> <td>4.00</td> <td></td> <td></td> <td>5603.00</td> <td></td> </tr> <tr> <td>Stubb</td> <td>1.00</td> <td></td> <td></td> <td>5604.00</td> <td></td> </tr> <tr> <td>Perforations</td> <td>5.00</td> <td></td> <td></td> <td>5609.00</td> <td></td> </tr> <tr> <td>Recorder</td> <td>0.00</td> <td>3027</td> <td>Inside</td> <td>5609.00</td> <td></td> </tr> <tr> <td>Perforations</td> <td>31.00</td> <td></td> <td></td> <td>5640.00</td> <td></td> </tr> <tr> <td>C.O. Sub</td> <td>1.00</td> <td></td> <td></td> <td>5641.00</td> <td></td> </tr> <tr> <td>Blank Spacing</td> <td>31.00</td> <td></td> <td></td> <td>5672.00</td> <td></td> </tr> <tr> <td>C.O. Sub</td> <td>1.00</td> <td></td> <td></td> <td>5673.00</td> <td></td> </tr> <tr> <td>Perforations</td> <td>5.00</td> <td></td> <td></td> <td>5678.00</td> <td></td> </tr> <tr> <td>Recorder</td> <td>0.00</td> <td>11019</td> <td>Outside</td> <td>5678.00</td> <td></td> </tr> <tr> <td>Bullnose</td> <td>2.00</td> <td></td> <td></td> <td>5680.00</td> <td>77.00 Bottom Packers & Anchor</td> </tr> <tr> <td colspan="6" style="padding-top: 10px;"> Total Tool Length: 105.00 </td> </tr> </tbody> </table>				Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	C.O. Sub	1.00			5576.00		S.I. Tool	5.00			5581.00		HMV	5.00			5586.00		Jars	5.00			5591.00		Safety Joint	2.00			5593.00		Change Over Sub	1.00			5594.00		Packer	5.00			5599.00	28.00 Bottom Of Top Packer	Packer	4.00			5603.00		Stubb	1.00			5604.00		Perforations	5.00			5609.00		Recorder	0.00	3027	Inside	5609.00		Perforations	31.00			5640.00		C.O. Sub	1.00			5641.00		Blank Spacing	31.00			5672.00		C.O. Sub	1.00			5673.00		Perforations	5.00			5678.00		Recorder	0.00	11019	Outside	5678.00		Bullnose	2.00			5680.00	77.00 Bottom Packers & Anchor	Total Tool Length: 105.00					
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Calhoun #1-13

9400 N Broadway Ste 400 Oklahoma City OK
73114

13-33-29 Meade KS

Job Ticket: 13437

DST#: 1

ATTN: Ed Grieves

Test Start: 2001.10.06 @ 20:33:52

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	100% Mud	0.393
660.00	gas in pipe	6.689

Total Length: 740.00 ft

Total Volume: 7.082 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

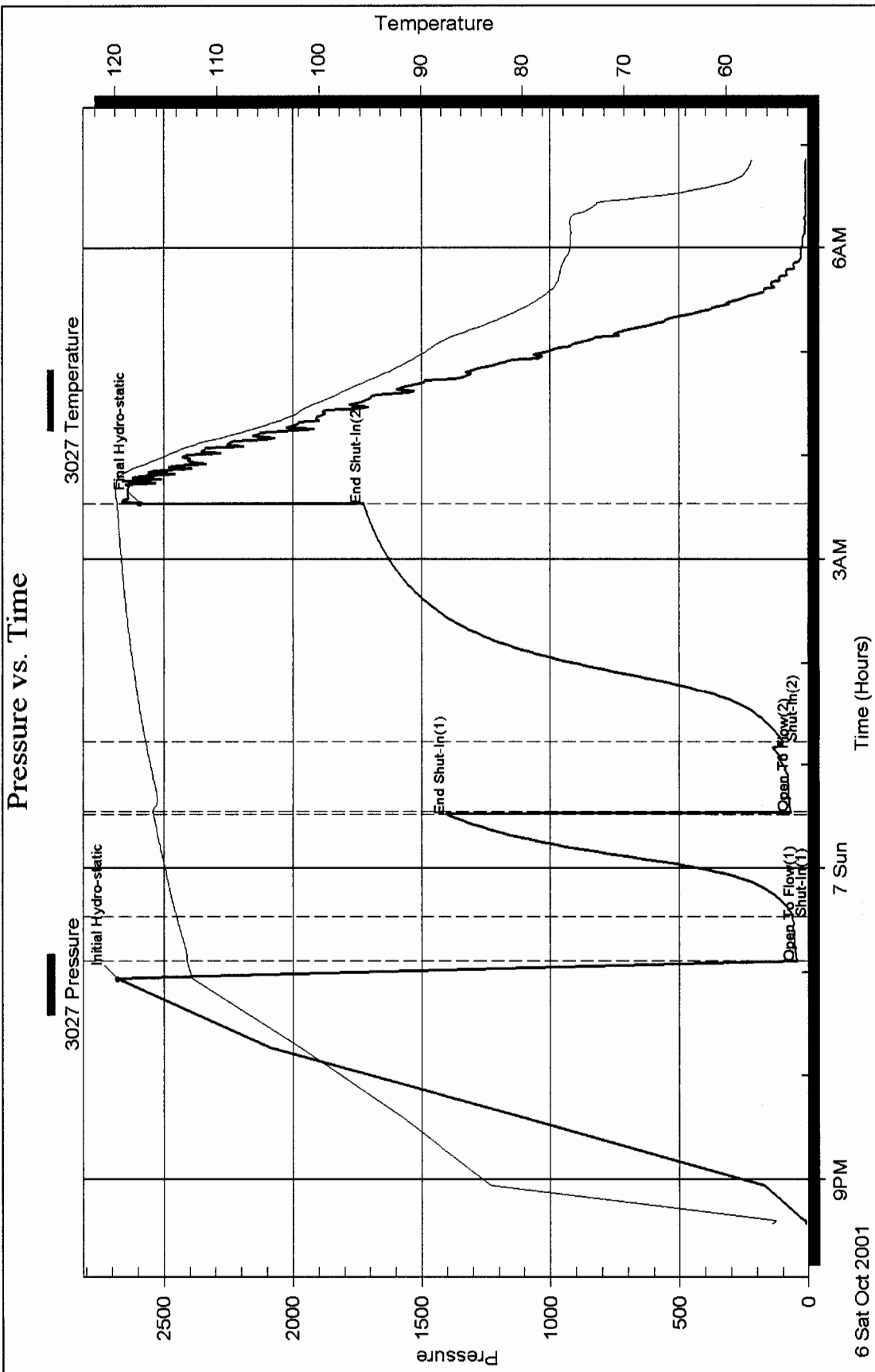
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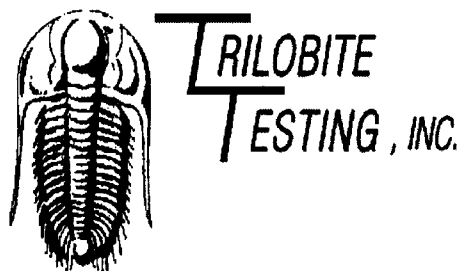
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Grieves

13-33-29 Meade KS

Calhoun #1-13

Start Date: 2001.10.08 @ 23:12:42

End Date: 2001.10.09 @ 09:10:42

Job Ticket #: 13438 DST #: 2

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

Raydon Exploration Inc

Calhoun #1-13

9400 N Broadway Ste 400 Oklahoma City OK
73114

13-33-29 Meade KS

Job Ticket: 13438

DST#: 2

ATTN: Ed Grieves

Test Start: 2001.10.08 @ 23:12:42

GENERAL INFORMATION:

Formation: **Lower Chester**

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

Time Tool Opened: 01:57:57

Time Test Ended: 09:10:42

Test Type: **Conventional Bottom Hole**

Tester: **Blake Wallace**

Unit No: **20**

Interval: **5998.00 ft (KB) To 6012.00 ft (KB) (TVD)**

Reference Elevations: **2473.00 ft (KB)**

Total Depth: **6012.00 ft (KB) (TVD)**

2461.00 ft (CF)

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

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

Serial #: 3027

Inside

Press@RunDepth: **33.46 psig @ 6000.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2001.10.08** End Date:

2001.10.09

Last Calib.: **2001.01.09**

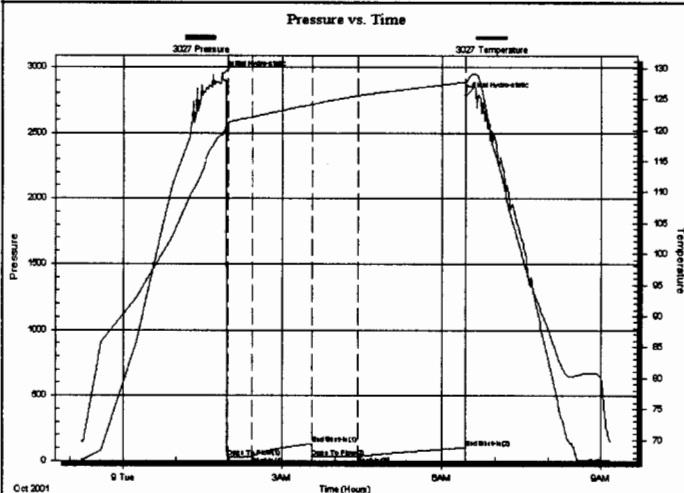
Start Time: **23:12:44** End Time:

09:10:42

Time On Btm: **2001.10.09 @ 01:52:12**

Time Off Btm: **2001.10.09 @ 06:26:42**

TEST COMMENT: IF-fair blow built to 7 inches
IS-no blow back
FF-weak blow built to 2 inches
FSI-no blow back



PRESSURE SUMMARY

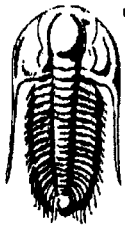
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2943.70	119.21	Initial Hydro-static
6	28.28	121.06	Open To Flow (1)
34	32.72	122.08	Shut-In (1)
102	131.94	124.12	End Shut-In (1)
102	30.24	124.12	Open To Flow (2)
153	33.46	125.51	Shut-In (2)
274	102.14	127.73	End Shut-In (2)
275	2783.79	127.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	5% oil 95% mud	0.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Calhoun #1-13

9400 N Broadway Ste 400 Oklahoma City OK
73114

13-33-29 Meade KS

Job Ticket: 13438

DST#: 2

ATTN: Ed Grieves

Test Start: 2001.10.08 @ 23:12:42

Tool Information

Drill Pipe:	Length: 5624.00 ft	Diameter: 3.80 inches	Volume: 78.89 bbl	Tool Weight: 1800.00 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: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 85000.00 lb
			Total Volume: 80.67 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5998.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	41.00 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			5972.00	
S.I. Tool	5.00			5977.00	
HMV	5.00			5982.00	
Jars	5.00			5987.00	
Safety Joint	2.00			5989.00	
Packer	5.00			5994.00	27.00 Bottom Of Top Packer
Packer	4.00			5998.00	
Stubb	1.00			5999.00	
Perforations	1.00			6000.00	
Recorder	0.00	3027	Inside	6000.00	
Perforations	10.00			6010.00	
Recorder	0.00	11019	Outside	6010.00	
Bullnose	2.00			6012.00	14.00 Bottom Packers & Anchor

Total Tool Length: 41.00



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73114

13-33-29 Meade KS

Job Ticket: 13438

DST#: 2

ATTN: Ed Grieves

Test Start: 2001.10.08 @ 23:12:42

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	5% oil 95% 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:

Pressure vs. Time

