

CONFIDENTIAL

CONFIDENTIAL

15-119-21088



TRILOBITE
TESTING, INC.

RECEIVED
JUL 12 2002
1632S 29W MEADE

DRILL STEM TEST REPORT

CONFIDENTIAL

Raydon Exploration

9400 N Broadway STE 400 Oklahoma City
OK 73114

ORIGINAL

ATTN: ED

KCC

16 32S 29W Meade, KS JUL 11 2002

Batman 2-16

CONFIDENTIAL

Start Date: 2002.05.27 @ 09:10:46

End Date: 2002.05.27 @ 19:24:16

Job Ticket #: 14406

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL

ORIGINAL


TRILOBITE
TESTING, INC.
DRILL SITE REPORT

Raydon Exploration

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade, KS

ATTN: ED

Job Ticket: 14406

DST#: 1

Test Start: 2002.05.27 @ 09:10:46

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:49:31

Time Test Ended: 19:24:16

Interval: 5688.00 ft (KB) To 5720.00 ft (KB) (TVD)

Total Depth: 5720.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

KCC

JUL 11 2002

CONFIDENTIAL

Test Type: Conventional Bottom Hole

Tester: Jakki Kreklau

Unit No: 17

Reference Elevations: 2719.00 ft (KB)

2708.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 26.58 psig @ 5689.00 ft (KB)

Start Date: 2002.05.27

End Date:

Start Time: 09:10:48

End Time:

Capacity:

7000.00 psig

Test Calib.:

1899.12.30

On Btmr: 2002.05.27 @ 11:48:46

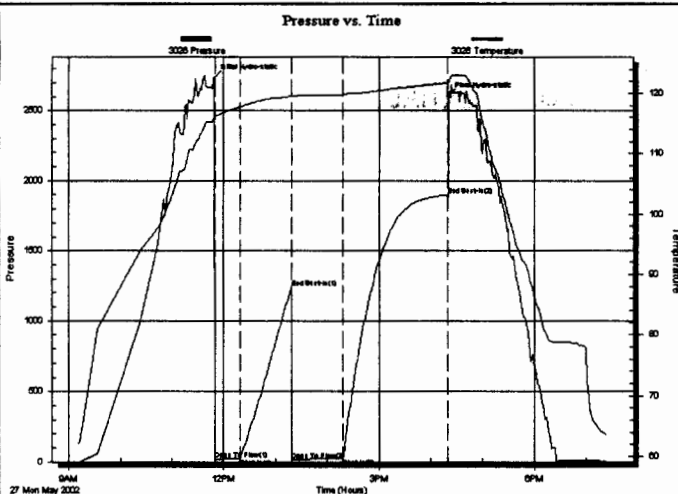
Time Off Btmr: 2002.05.27 @ 16:20:46

TEST COMMENT: IF- Very Strong Surface Blow BOB as soon as opened thru opening Got packer seat NO GTS

IS- no blow back

FF- Very Strong blow BOB as soon as opened thru opening NO GTS

FS- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2731.92	115.82	Initial Hydro-static
1	17.85	115.93	Open To Flow (1)
30	25.34	117.68	Shut-In(1)
90	1234.98	119.52	End Shut-In(1)
90	15.07	119.69	Open To Flow (2)
150	26.58	119.71	Shut-In(2)
272	1898.17	121.75	End Shut-In(2)
273	2605.39	121.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DRILG MUD 100%	0.05

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade, KS

Job Ticket: 14406

DST#: 1

ATTN: ED

Test Start: 2002.05.27 @ 09:10:46

Tool Information

Drill Pipe:	Length: 5325.00 ft	Diameter: 3.80 inches	Volume: 74.70 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: 358.00 ft	Diameter: 2.25 inches	Volume: 1.76 bbl	Weight to Pull Loose: 88000.00 lb
			Total Volume: 76.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	5688.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

RECEIVED

JUL 1 2002

RECEIVED

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			5661.00	
S.I. Tool	5.00			5666.00	
HMV	5.00			5671.00	
Jars	5.00			5676.00	
Safety Joint	2.00			5678.00	
C.O. Sub	1.00			5679.00	
Packer	5.00			5684.00	28.00 Bottom Of Top Packer
Packer	4.00			5688.00	
Stubb	1.00			5689.00	
Recorder	0.00	3026	Inside	5689.00	
Perforations	28.00			5717.00	
Recorder	0.00	5495	Inside	5717.00	
Bullnose	3.00			5720.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade, KS

Job Ticket: 14406

DST#: 1

ATTN: ED

Test Start: 2002.05.27 @ 09:10:46

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: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DRILG MUD 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

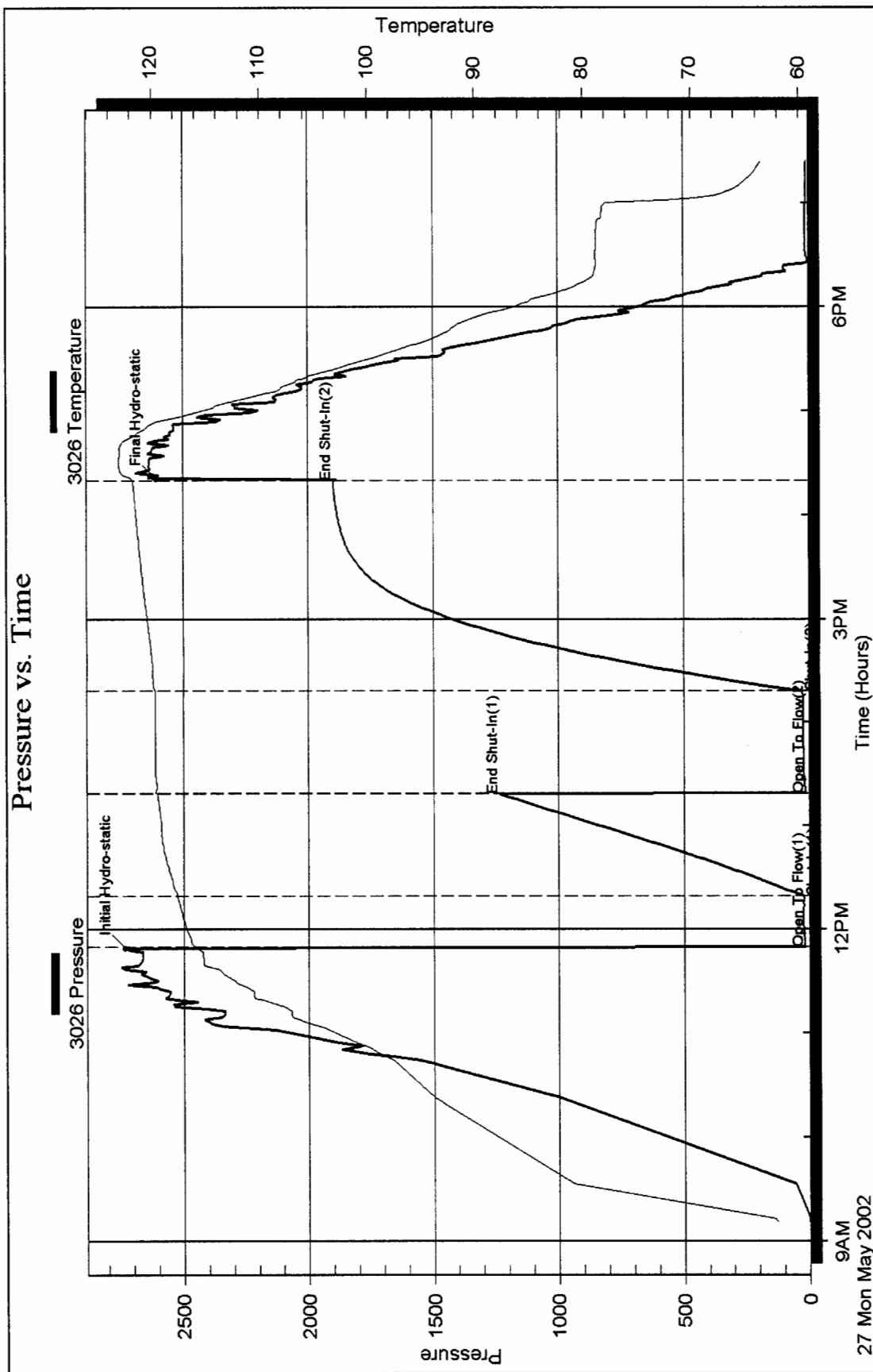
Serial #:

Laboratory Name: NO

Laboratory Location: NO SAMPLES

Recovery Comments: could not smell gas in pipe---very windy

Pressure vs. Time





TRILOBITE
TESTING, INC.

2002.05.28
JUL 12 11
KANSAS

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration**

9400 N Broadway STE 400 Oklahoma City
OK 73114

ATTN: ED

16 32S 29W Meade,KS

Batman 2-16

Start Date: 2002.05.28 @ 17:29:36

End Date: 2002.05.29 @ 02:39:51

Job Ticket #: 15680

DST #: 2

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

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade,KS

Job Ticket: 15680

DST#: 2

ATTN: ED

Test Start: 2002.05.28 @ 17:29:36

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:06:21

Time Test Ended: 02:39:51

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **5755.00 ft (KB) To 5790.00 ft (KB) (TVD)**

Total Depth: 5790.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Poor

Reference Elevations: 2719.00 ft (KB)

2708.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2342

Inside

Press@RunDepth: 20.81 psig @ 5756.00 ft (KB)

Start Date: 2002.05.28

End Date:

2002.05.29

Capacity: 7000.00 psig

Last Calib.: 2002.05.29

Start Time: 17:29:37

End Time:

02:39:51

Time On Btm: 2002.05.28 @ 20:06:06

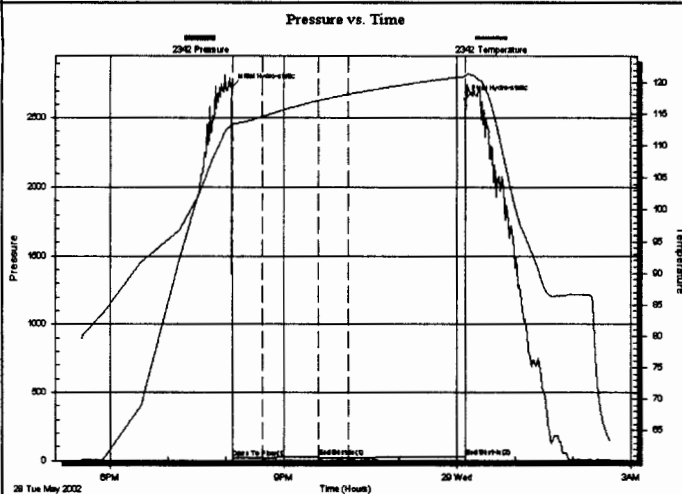
Time Off Btm: 2002.05.29 @ 00:08:36

TEST COMMENT: IF:Weak blow . (surface) Dead in 20 min.

IS:No blow .

FF:No blow .

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2721.85	113.44	Initial Hydro-static
1	18.12	113.44	Open To Flow (1)
32	19.72	114.60	Shut-In (1)
90	29.78	117.11	End Shut-In (1)
91	20.72	117.13	Open To Flow (2)
121	20.81	118.13	Shut-In (2)
242	29.78	120.99	End Shut-In (2)
243	2637.51	121.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig.mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade,KS

Job Ticket: 15680

DST#: 2

ATTN: ED

Test Start: 2002.05.28 @ 17:29:36

Tool Information

Drill Pipe:	Length: 5383.00 ft	Diameter: 3.80 inches	Volume: 75.51 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 99000.00 lb
			<u>Total Volume: 77.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5755.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 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			5729.00	
S.I. Tool	5.00			5734.00	
HMV	5.00			5739.00	
Jars	5.00			5744.00	
Safety Joint	2.00			5746.00	
Packer	4.00			5750.00	27.00 Bottom Of Top Packer
Packer	5.00			5755.00	
Stubb	1.00			5756.00	
Recorder	0.00	2342	Inside	5756.00	
Perforations	29.00			5785.00	
Recorder	0.00	10248	Outside	5785.00	
Bullnose	5.00			5790.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration

Batman 2-16

9400 N Broadway STE 400 Oklahoma City OK
73114

16 32S 29W Meade, KS

Job Ticket: 15680

DST#: 2

ATTN: ED

Test Start: 2002.05.28 @ 17:29:36

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:

3000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig.mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

