

JAITN-411414

15-119-21090



TRILOBITE
TESTING, INC.

Release
NOV 04 2003
From
Confidential

DRILL STEM TEST REPORT

CONFIDENTIAL

Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK
73102

ORIGINAL

KCC

AUG 21 2002

ATTN: Ed Greives

26-34s-30w Meade KS

CONFIDENTIAL

Cimarron 1-26

Start Date: 2002.07.11 @ 20:50:00

End Date: 2002.07.12 @ 02:45:00

Job Ticket #: 14464

DST #: 1

RECEIVED
AUG 22 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

TOOL DIAGRAM

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14464

DST#: 1

ATTN: Ed Greives

Test Start: 2002.07.11 @ 20:50:00

Tool Information

Drill Pipe:	Length: 2921.00 ft	Diameter: 3.80 inches	Volume: 40.97 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: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	42.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3170.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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KCC WICHITA

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3144.00		
S.I. Tool	5.00			3149.00		
HMV	5.00			3154.00		
Jars	5.00			3159.00		
Safety Joint	2.00			3161.00		
Packer	5.00			3166.00	27.00	Bottom Of Top Packer
Packer	4.00			3170.00		
Stubb	1.00			3171.00		
Perforations	2.00			3173.00		
Recorder	0.00	3027	Inside	3173.00		
Perforations	15.00			3188.00		
Recorder	0.00	13627	Outside	3188.00		
Bullnose	2.00			3190.00	20.00	Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14464

DST#: 1

ATTN: Ed Greives

Test Start: 2002.07.11 @ 20:50:00

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:

41000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 14.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	30% W 70% M	0.025
90.00	60% W 40% M	0.443

Total Length: 95.00 ft

Total Volume: 0.468 bbl

Num Fluid Samples: 0

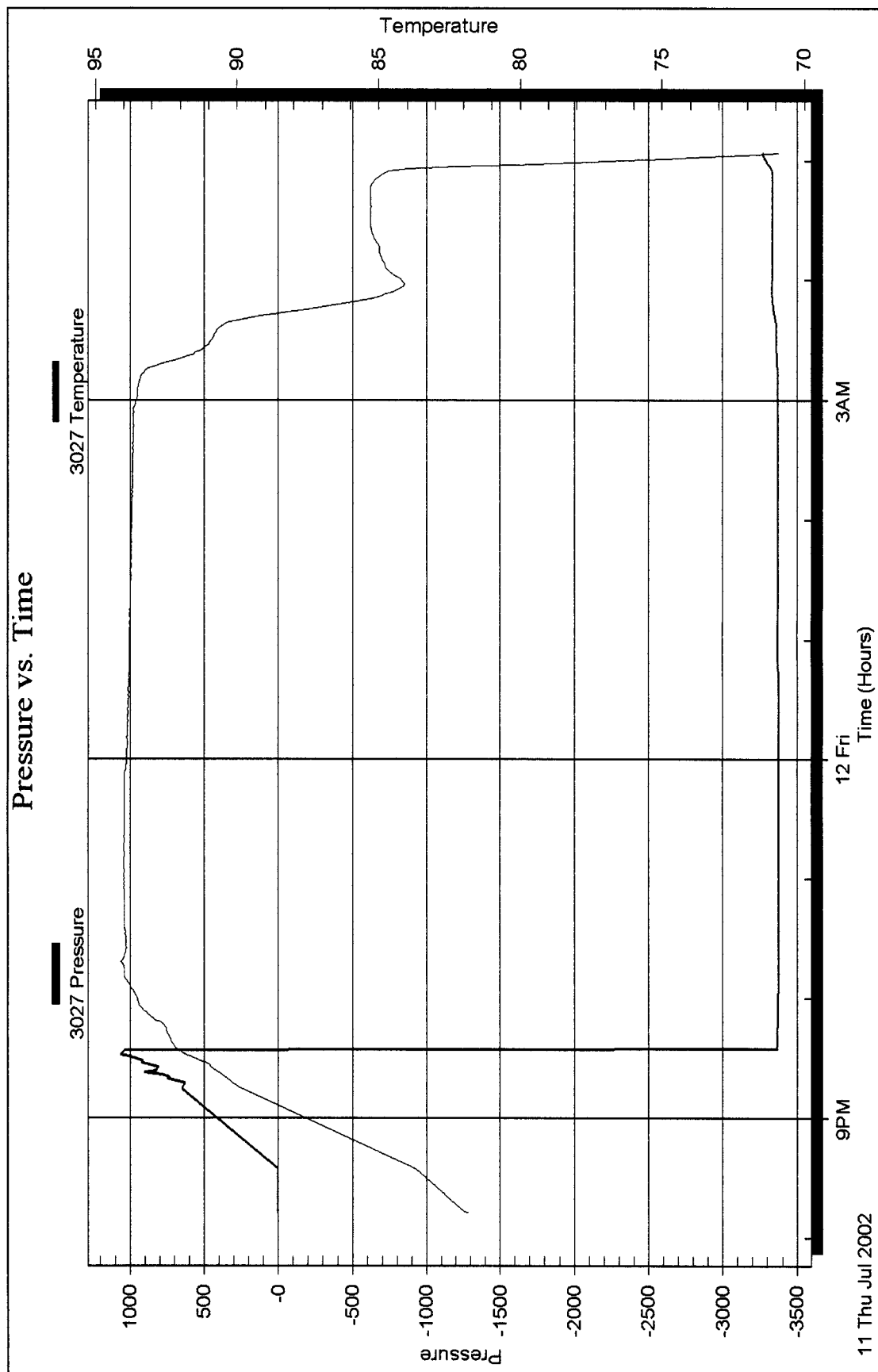
Num Gas Bombs: 0

Serial #:

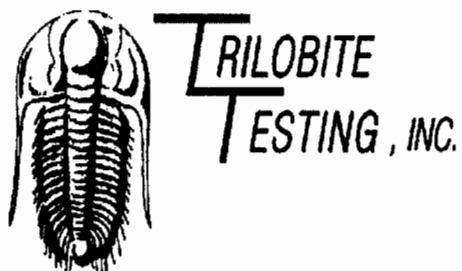
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .174 @ 72 deg chlorides=41000



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DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73102

AUG 22 2002

ATTN: Ed Greives

KCC WICHITA

26-34s-30w Meade KS

Cimarron 1-26

Start Date: 2002.07.13 @ 15:04:19

End Date: 2002.07.14 @ 00:45:19

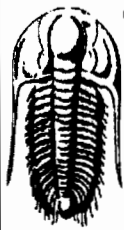
Job Ticket #: 14465

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 Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14465

DST#: 2

ATTN: Ed Greives

Test Start: 2002.07.13 @ 15:04:19

GENERAL INFORMATION:

Formation: **Council Grove**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:28:49

Time Test Ended: 00:45:19

Test Type: Conventional Straddle

Tester: Blake Wallace

Unit No: 20

Interval: **3335.00 ft (KB) To 3373.00 ft (KB) (TVD)**

Reference Elevations: 2667.00 ft (KB)

Total Depth: 3460.00 ft (KB) (TVD)

2655.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 3026

Inside

Press@RunDepth: 463.64 psig @ 3338.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2002.07.13

End Date:

2002.07.14

Last Calib.: 1899.12.30

Start Time: 15:04:21

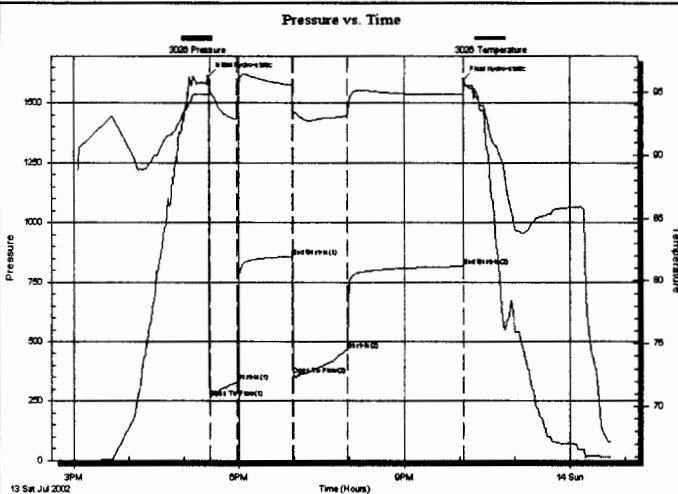
End Time:

00:45:19

Time On Btm: 2002.07.13 @ 17:27:04

Time Off Btm: 2002.07.13 @ 22:04:19

TEST COMMENT: IF-strong blow BOB 15 sec GTS 11/2 min
ISI-blow back built to BOB
FF-strong blow BOB aas soon as open
FSI-blow back built to BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.90	94.87	Initial Hydro-static
2	265.45	95.00	Open To Flow (1)
32	330.45	92.86	Shut-In (1)
92	857.07	95.58	End Shut-In (1)
93	361.58	93.10	Open To Flow (2)
151	463.64	93.10	Shut-In (2)
278	816.01	94.86	End Shut-In (2)
278	1598.84	95.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	20% G 20% W 60% M	0.89
1440.00	5% G 90% W 5% M	19.66

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	36.00	787.24
Last Gas Rate	0.75	22.00	568.56
Max. Gas Rate	0.75	44.00	912.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14465

DST#: 2

ATTN: Ed Greives

Test Start: 2002.07.13 @ 15:04:19

Tool Information

Drill Pipe:	Length: 3098.00 ft	Diameter: 3.80 inches	Volume: 43.46 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: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 44.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3335.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	3369.00 ft			
Interval between Packers:	34.00 ft			
Tool Length:	147.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3314.00		
S.I. Tool	5.00			3319.00		
Jars	5.00			3324.00		
Safety Joint	2.00			3326.00		
Packer	5.00			3331.00	22.00	Bottom Of Top Packer
Packer	4.00			3335.00		
Stubb	1.00			3336.00		
Perforations	2.00			3338.00		
Recorder	0.00	3026	Inside	3338.00		
P.O. Sub	5.00			3343.00		
Perforations	25.00			3368.00		
Recorder	0.00	11019	Outside	3368.00		
Blank Off Sub	1.00			3369.00	34.00	Tool Interval
Packer	4.00			3373.00		
Stubb	1.00			3374.00		
Change Over Sub	1.00			3375.00		
Blank Spacing	63.00			3438.00		
C.O. Sub	1.00			3439.00		
Perforations	19.00			3458.00		
Recorder	0.00	13255	Outside	3458.00		
Bullnose	2.00			3460.00	91.00	Bottom Packers & Anchor

Total Tool Length: 147.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14465

DST#: 2

ATTN: Ed Greives

Test Start: 2002.07.13 @ 15:04:19

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:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	20% G 20% W 60% M	0.885
1440.00	5% G 90% W 5% M	19.662

Total Length: 1620.00 ft Total Volume: 20.547 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW= .202 @ 73 deg chlorides = 32000



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 14465

DST#: 2

ATTN: Ed Greives

Test Start: 2002.07.13 @ 15:04:19

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)
1	5	0.75	36.00	787.24
1	5	0.75	36.00	787.24
1	10	0.75	44.00	912.20
1	20	0.75	44.00	912.20
1	30	0.75	40.00	849.72
2	10	0.75	40.00	849.72
2	20	0.75	34.00	756.00
2	30	0.75	28.00	662.28
2	40	0.75	24.00	599.80
2	50	0.75	22.00	568.56

Received

AUG 22 2002

KCC WICHITA

Serial #: 3026

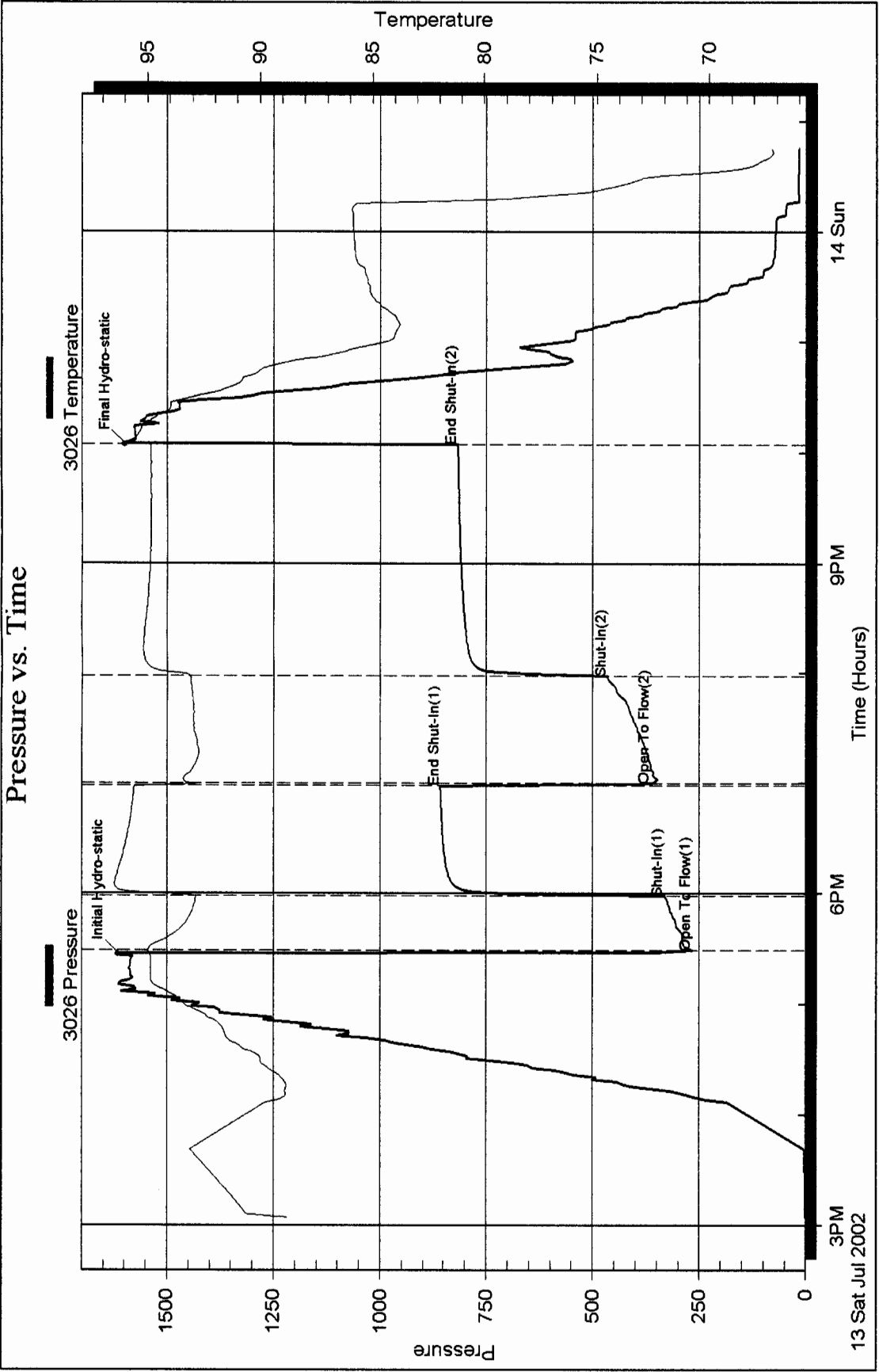
Inside

Raydon Exploration Inc

26-34s-30w Meade KS

DST Test Number: 2

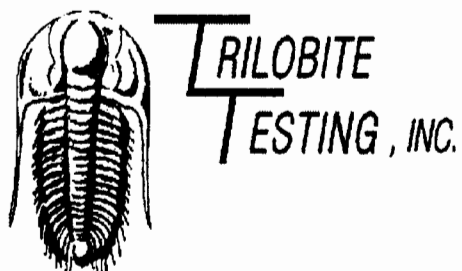
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 14465

Printed: 2002.07.23 @ 19:05:42 Page 6



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73102

ATTN: Ed Greives

26-34s-30w Meade KS

Cimarron 1-26

Start Date: 2002.07.18 @ 14:25:51

End Date: 2002.07.19 @ 01:18:21

Job Ticket #: 16379 DST #: 3

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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

9400 N Broadway Ste 400 Oklahoma City OK
73102

ATTN: Ed Greives

Cimarron 1-26

26-34s-30w Meade KS

Job Ticket: 16379

DST#:3

Test Start: 2002.07.18 @ 14:25:51

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:49:06

Time Test Ended: 01:18:21

Test Type: Conventional Straddle

Tester: Wenrich

Unit No: 14

Interval: **5275.00 ft (KB) To 5306.00 ft (KB) (TVD)**

Total Depth: 5345.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2667.00 ft (KB)

2655.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 3289

Inside

Press@RunDepth: 48.87 psig @ 5276.00 ft (KB)

Start Date: 2002.07.18

End Date:

2002.07.19

Start Time: 14:25:56

End Time:

01:18:21

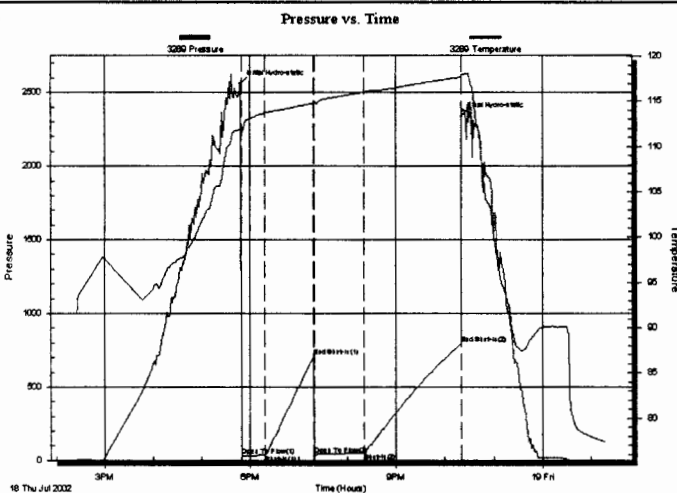
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2002.07.18 @ 17:48:21

Time Off Btm: 2002.07.18 @ 22:20:21

TEST COMMENT: IF: Strong blow .BOB in 9.5 min.
IS: No blow .
FF: Strong blow .BOB immediately.
FSI: No blow .



PRESSURE SUMMARY

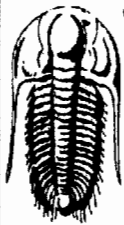
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2558.26	111.90	Initial Hydro-static
1	33.61	111.89	Open To Flow (1)
31	36.67	113.70	Shut-In (1)
91	706.81	114.82	End Shut-In (1)
91	34.95	114.97	Open To Flow (2)
152	48.87	116.01	Shut-In (2)
272	794.76	117.68	End Shut-In (2)
272	2338.68	117.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 25%g 15%O 60%m	0.30
2906.00	GIP	25.88

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

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 16379

DST#: 3

ATTN: Ed Greives

Test Start: 2002.07.18 @ 14:25:51

Tool Information

Drill Pipe:	Length: 5011.00 ft	Diameter: 3.08 inches	Volume: 46.18 bbl	Tool Weight: 2300.00 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: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 47.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5275.00 ft			Final 87000.00 lb
Depth to Bottom Packer:	5306.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			5261.00		
HMV	5.00			5266.00		
Packer	5.00			5271.00	19.00	Bottom Of Top Packer
Packer	4.00			5275.00		
Stubb	1.00			5276.00		
Recorder	0.00	3289	Inside	5276.00		
Perforations	27.00			5303.00		
Recorder	0.00	13759	Outside	5303.00		
Blank Off Sub	1.00			5304.00		
T.C.	2.00			5306.00	31.00	Tool Interval
Packer	3.00			5309.00		
C.O. Sub	1.00			5310.00		
Blank Spacing	32.00			5342.00		
C.O. Sub	0.00			5342.00		
Perforations	1.00			5343.00		
Recorder	0.00	10242	Below	5343.00		
Bullnose	2.00			5345.00	39.00	Bottom Packers & Anchor
Total Tool Length:	89.00					

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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 16379

DST#: 3

ATTN: Ed Greives

Test Start: 2002.07.18 @ 14:25:51

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 25%g 15%0 60%m	0.295
2906.00	GIP	25.877

Total Length: 2966.00 ft

Total Volume: 26.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

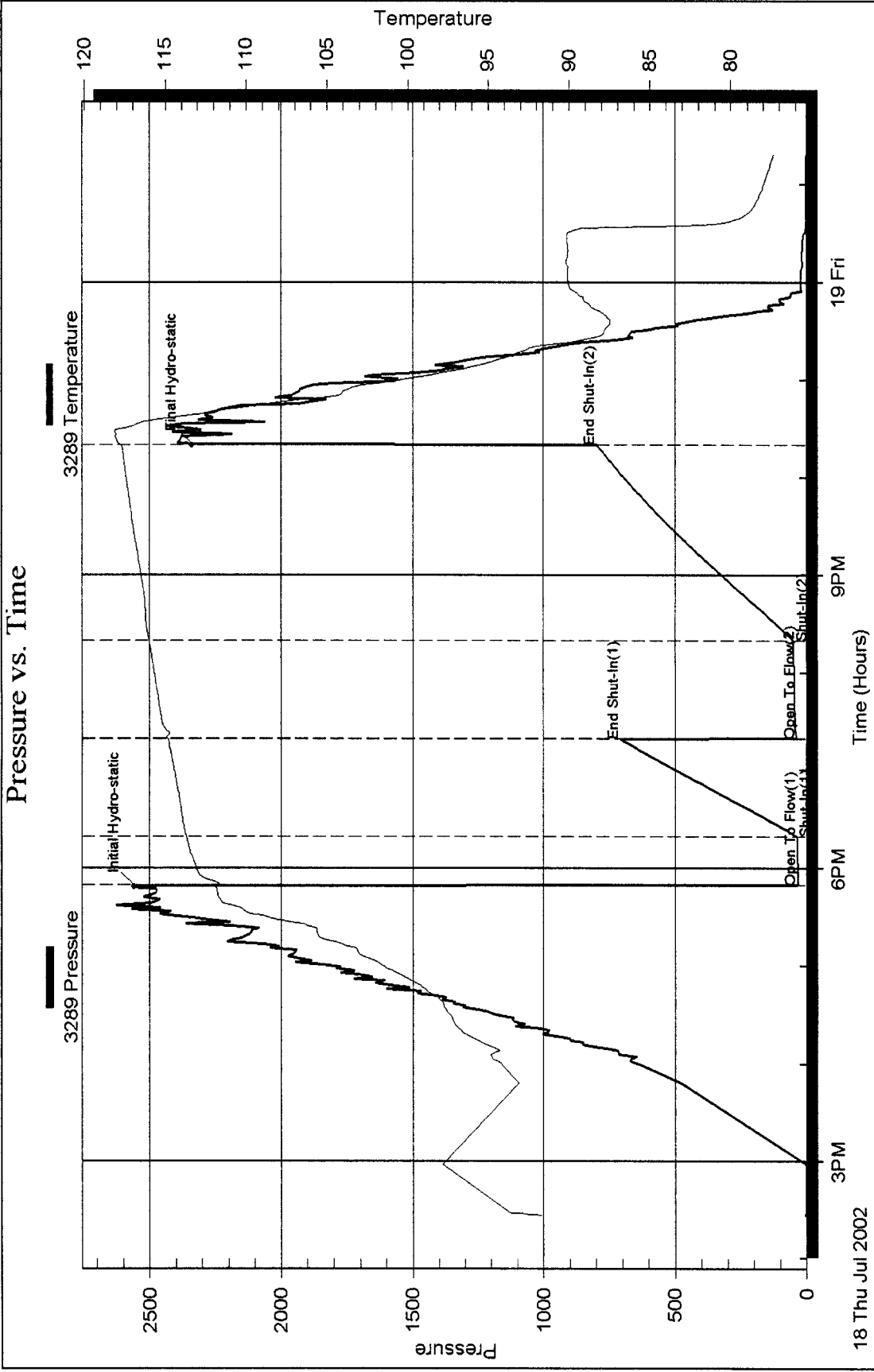
26-34s-30w Meade KS

Raydon Exploration Inc

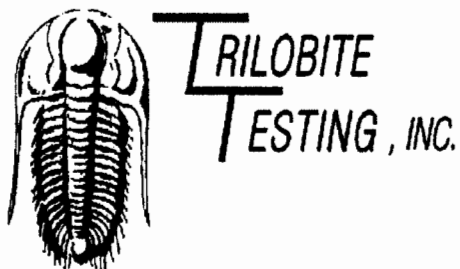
Inside

Serial #: 3289

Pressure vs. Time



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AUG 22 2002
KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73102

ATTN: Ed Greives

26-34s-30w Meade KS

Cimarron 1-26

Start Date: 2002.07.21 @ 07:48:12

End Date: 2002.07.21 @ 17:13:56

Job Ticket #: 15119

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

RECEIVED
AUG 22 2002
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 15119

DST#: 4

ATTN: Ed Greives

Test Start: 2002.07.21 @ 07:48:12

GENERAL INFORMATION:

Formation: **morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:26

Time Test Ended: 17:13:56

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 15

Interval: **5895.00 ft (KB) To 5925.00 ft (KB) (TVD)**

Reference Elevations: 2667.00 ft (KB)

Total Depth: 5925.00 ft (KB) (TVD)

2655.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 3227

Inside

Press@RunDepth: 64.53 psig @ 5896.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2002.07.21

End Date:

2002.07.21

Last Calib.: 1899.12.30

Start Time: 07:48:12

End Time:

17:13:56

Time On Btm: 2002.07.21 @ 10:39:41

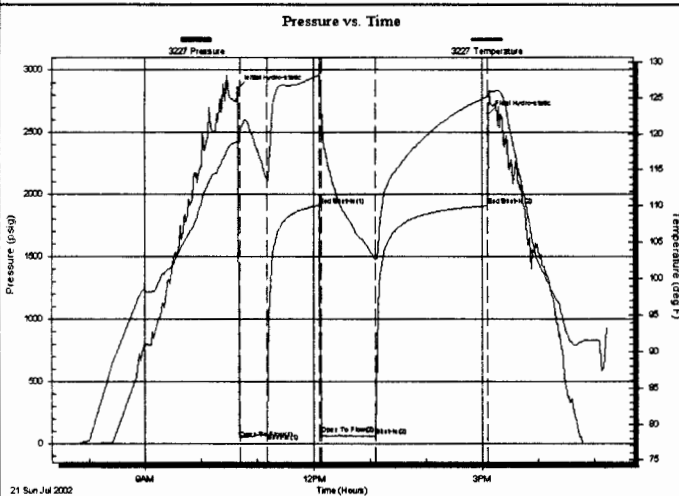
Time Off Btm: 2002.07.21 @ 15:06:56

TEST COMMENT: B.O.B. @ open , G.T.S. in 8 min.

No return

Gauging gas @ open

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2854.19	118.93	Initial Hydro-static
2	42.46	119.60	Open To Flow (1)
31	83.90	113.61	Shut-In (1)
87	1908.78	128.15	End Shut-In (1)
89	78.35	124.25	Open To Flow (2)
147	64.53	102.61	Shut-In (2)
267	1905.30	125.15	End Shut-In (2)
268	2644.52	125.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	drilling mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.00	124.12
Last Gas Rate	0.75	11.00	371.50
Max. Gas Rate	0.50	14.00	179.39



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 15119

DST#: 4

ATTN: Ed Greives

Test Start: 2002.07.21 @ 07:48:12

Tool Information

Drill Pipe:	Length: 5383.00 ft	Diameter: 3.80 inches	Volume: 75.51 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 505.00 ft	Diameter: 2.25 inches	Volume: 2.48 bbl	Weight to Pull Loose: 105000.0 lb
			Total Volume: 77.99 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5895.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 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			5869.00	
S.I. Tool	5.00			5874.00	
HMV	5.00			5879.00	
Jars	5.00			5884.00	
Safety Joint	2.00			5886.00	
Packer	5.00			5891.00	27.00 Bottom Of Top Packer
Packer	4.00			5895.00	
Stubb	1.00			5896.00	
Recorder	0.00	3227	Inside	5896.00	
Perforations	24.00	24174		5920.00	
Recorder	0.00	11057	Outside	5920.00	
Bullnose	5.00			5925.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 15119

DST#: 4

ATTN: Ed Greives

Test Start: 2002.07.21 @ 07:48:12

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	drilling mud	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raydon Exploration Inc

Cimarron 1-26

9400 N Broadway Ste 400 Oklahoma City OK
73102

26-34s-30w Meade KS

Job Ticket: 15119

DST#:4

ATTN: Ed Greives

Test Start: 2002.07.21 @ 07:48:12

Gas Rates Information

Temperature: 53 deg C

Relative Density: 0.75

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.50	4.00	124.12
1	10	0.50	4.00	116.23
1	15	0.50	7.00	135.17
1	20	0.50	10.00	154.12
1	25	0.50	12.00	166.76
1	30	0.50	14.00	179.39
2	5	0.75	10.00	356.88
2	10	0.75	11.00	371.50
2	20	0.75	11.00	371.50
2	30	0.75	11.00	371.50
2	40	0.75	11.00	371.50
2	50	0.75	11.00	371.50

AUG 22 2002
KCC WICHITA

Serial #: 3227

Inside

Raydon Exploration Inc

26-34s-30w Meade KS

DST Test Number: 4

Pressure vs. Time

