

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 08 2008

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

15-163-23707-00-00

3 9 18W Rooks KS

McElhaney A #1

Start Date: 2008.03.25 @ 03:56:04

End Date: 2008.03.25 @ 10:17:58

Job Ticket #: 31650

DST #: 1

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Mike Bair

McElhaney A #1

3 9 18W Rooks KS

Job Ticket: 31650

DST#: 1

Test Start: 2008.03.25 @ 03:56:04

GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 05:50:59

Time Test Ended: 10:17:58

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3100.00 ft (KB) To 3130.00 ft (KB) (TVD)**

Total Depth: **3130.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **2034.00 ft (KB)**

2029.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018 **Inside**

Press@RunDepth: **76.99 psig @ 3102.00 ft (KB)**

Start Date: **2008.03.25**

End Date:

2008.03.25

Start Time: **03:56:04**

End Time:

10:17:58

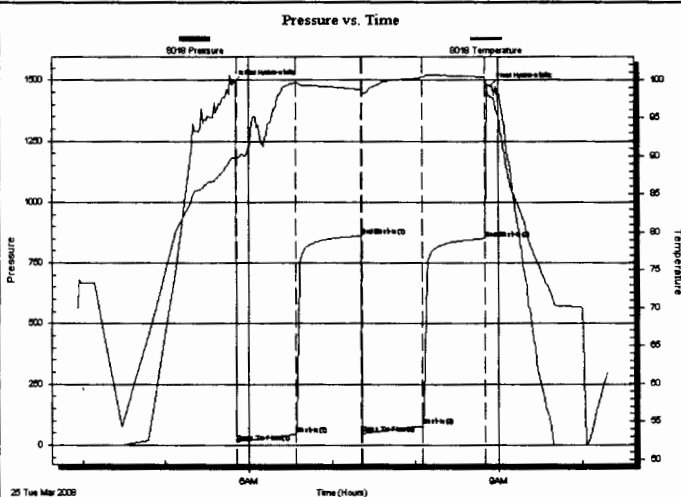
Capacity: **7000.00 psig**

Last Calib.: **2008.03.25**

Time On Btm: **2008.03.25 @ 05:48:29**

Time Off Btm: **2008.03.25 @ 08:53:58**

TEST COMMENT: IFP Weak to good blow 1/4 " - 9 "
ISI No blow back
FFP Weak to fair blow no blow 3 min. 6 "
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1484.66	89.73	Initial Hydro-static
3	13.20	89.42	Open To Flow (1)
45	44.91	99.66	Shut-in(1)
92	861.50	98.67	End Shut-in(1)
93	46.41	98.33	Open To Flow (2)
137	76.99	100.33	Shut-in(2)
182	851.33	100.36	End Shut-in(2)
186	1475.13	97.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	MW 70%W 30%M	1.89
15.00	G FREE OIL 30%G 70%O	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Mike Bair

McElhaney A #1

3 9 18W Rooks KS

Job Ticket: 31650

DST#: 1

Test Start: 2008.03.25 @ 03:56:04

Tool Information

Drill Pipe:	Length: 3107.00 ft	Diameter: 3.80 inches	Volume: 43.58 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 43.58 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3100.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3085.00	
Hydraulic tool	5.00			3090.00	
Packer	5.00			3095.00	20.00 Bottom Of Top Packer
Packer	5.00			3100.00	
Stubb	1.00			3101.00	
Perforations	1.00			3102.00	
Recorder	0.00	8018	Inside	3102.00	
Recorder	0.00	6755	Inside	3102.00	
Perforations	25.00			3127.00	
Bullnose	3.00			3130.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 31650

DST#: 1

ATTN: Mike Bair

Test Start: 2008.03.25 @ 03:56:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

17 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 29.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 440000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	MW 70%W 30%M	1.894
15.00	G FREE OIL 30%G 70%O	0.210

Total Length: 150.00 ft

Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

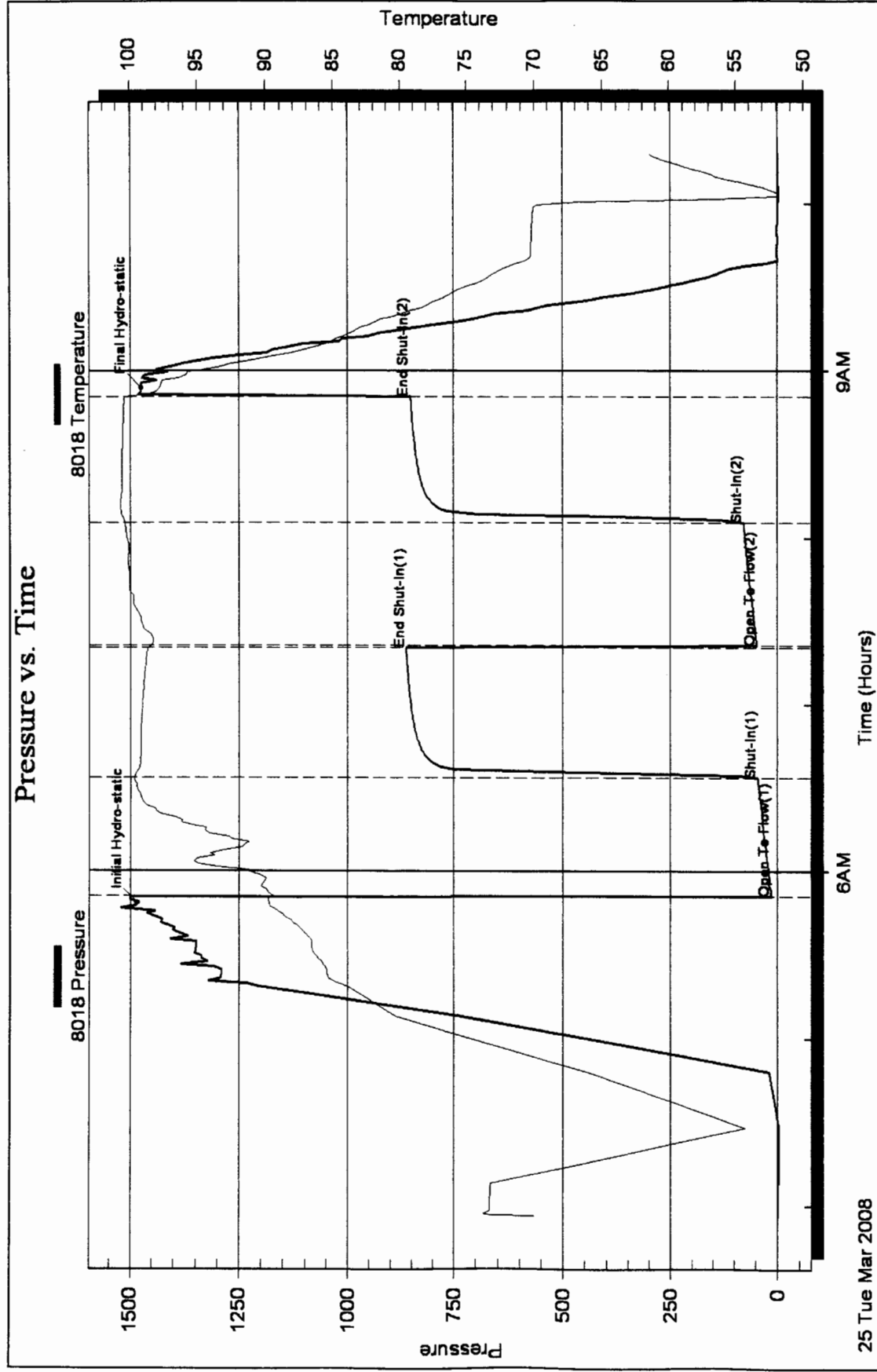
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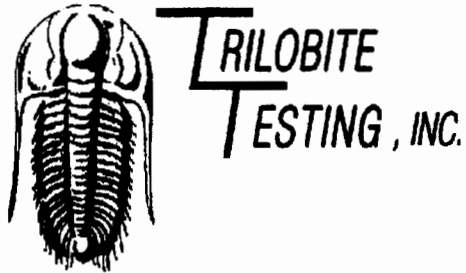
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

3 9 18W Rooks KS

McElhaney A #1

Start Date: 2008.03.25 @ 21:00:33

End Date: 2008.03.26 @ 02:45:27

Job Ticket #: 30926 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Tengasco Inc

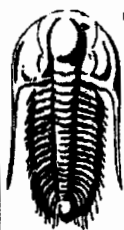
McElhaney A #1

3 9 18W Rooks KS

DST # 2

LKC "C"

2008.03.25



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Mike Bair

McElhaney A #1

3 9 18W Rooks KS

Job Ticket: 30926

DST#: 2

Test Start: 2008.03.25 @ 21:00:33

GENERAL INFORMATION:

Formation: **LKC "C"**

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

Time Tool Opened: 22:22:58

Time Test Ended: 02:45:27

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3226.00 ft (KB) To 3247.00 ft (KB) (TVD)**

Total Depth: **3247.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **2034.00 ft (KB)**

2029.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **28.32 psig @ 3229.00 ft (KB)**

Start Date: **2008.03.25**

End Date: **2008.03.26**

Start Time: **21:00:33**

End Time: **02:45:27**

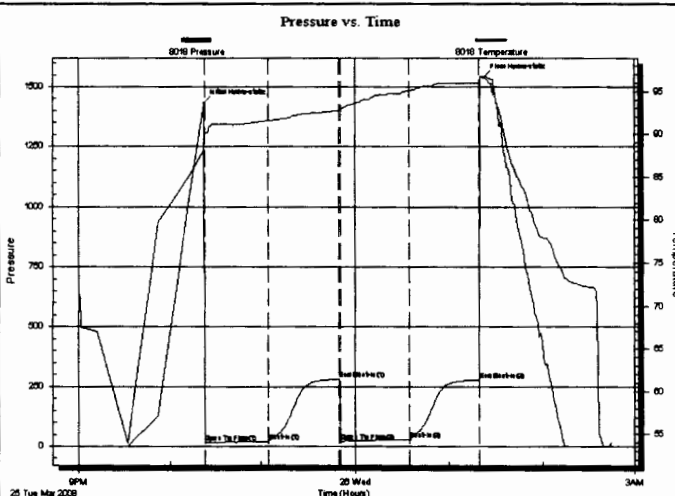
Capacity: **7000.00 psig**

Last Calib.: **2008.03.26**

Time On Btm: **2008.03.25 @ 22:22:28**

Time Off Btm: **2008.03.26 @ 01:21:57**

TEST COMMENT: IFP Weak to good blow sur 6 "
ISI No blow back
FFP Weak to strong blow sur 9 1/2 "
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1430.49	88.09	Initial Hydro-static
1	15.32	90.03	Open To Flow (1)
42	20.66	91.59	Shut-In(1)
88	280.77	92.73	End Shut-In(1)
89	19.10	92.83	Open To Flow (2)
132	28.32	95.11	Shut-In(2)
177	278.73	96.03	End Shut-In(2)
180	1538.51	96.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GHOcM 10%G 40%O 50%M	0.63
0.00	120' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 30926

DST#: 2

ATTN: Mke Bair

Test Start: 2008.03.25 @ 21:00:33

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 45.35 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	28000.00 lb
Depth to Top Packer:	3226.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 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
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Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Packer	5.00			3221.00	20.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Perforations	2.00			3229.00	
Recorder	0.00	8018	Inside	3229.00	
Recorder	0.00	6755	Inside	3229.00	
Perforations	15.00			3244.00	
Bullnose	3.00			3247.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 30926

DST#: 2

ATTN: Mike Bair

Test Start: 2008.03.25 @ 21:00:33

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GHOCM 10%G 40%O 50%M	0.631
0.00	120' GIP	0.000

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

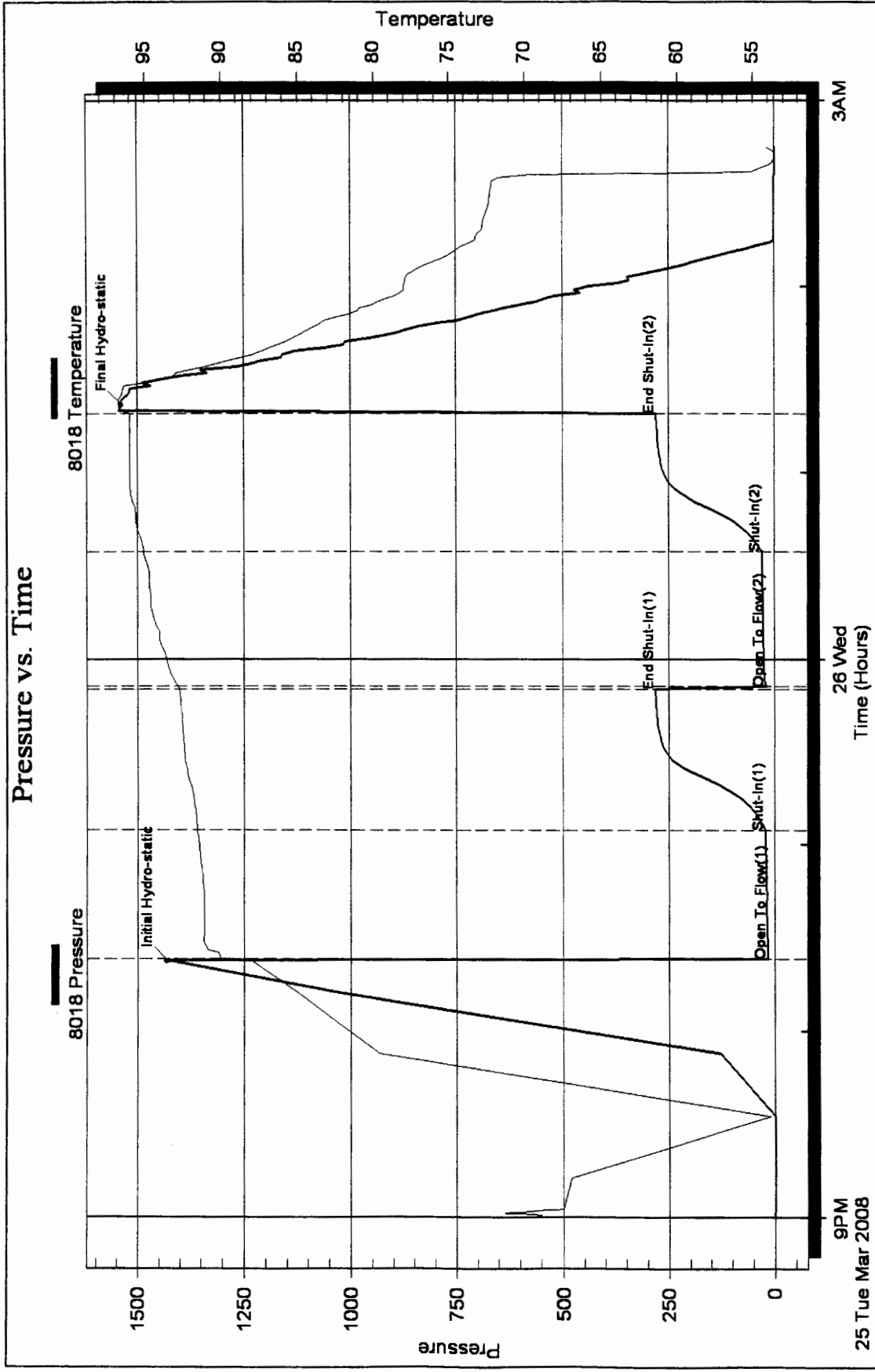
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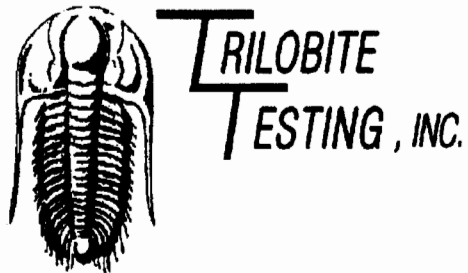
Inside

Tengasco Inc

3 9 18W Rocks KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

3 9 18W Rooks KS

McElhaney A #1

Start Date: 2008.03.26 @ 10:34:51

End Date: 2008.03.26 @ 17:42:15

Job Ticket #: 30927 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



Tengasco Inc

ATTN: Mike Bair

3 9 18W Rooks KS

Job Ticket: 30927

DST#: 3

Test Start: 2008.03.26 @ 10:34:51

Formation: LKC "F"

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:04:46
Time Test Ended: 17:42:15

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3246.00 ft (KB) To 3293.00 ft (KB) (TVD)
Total Depth: 3293.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition:

Reference Elevations: 2034.00 ft (KB)
2029.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 468.38 psig @ 3252.00 ft (KB)

Start Date: 2008.03.26

End Date:

2008.03.26

Start Time: 10:34:51

End Time:

17:42:15

Capacity: 7000.00 psig

Last Calib.: 2008.03.26

Time On Btm: 2008.03.26 @ 12:02:46

Time Off Btm: 2008.03.26 @ 15:05:45

TEST COMMENT: IFP BOB 1 1/2 min.

ISI BOB 6 min.

FFP BOB 4 min.

FSI BOB 6 min.



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.20	88.31	Initial Hydro-static
2	47.78	88.22	Open To Flow (1)
46	311.74	101.81	Shut-In(1)
92	771.19	101.65	End Shut-In(1)
92	319.48	101.52	Open To Flow (2)
135	468.38	103.32	Shut-In(2)
181	761.23	102.92	End Shut-In(2)
183	1531.25	103.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MMV 85%W 15%M	1.68
925.00	REVERSED OUT	12.98
155.00	G FREE OIL 10%G 85%O 5%M	2.17
0.00	1430 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Mike Bair

McElhaney A #1

3 9 18W Rooks KS

Job Ticket: 30927

DST#: 3

Test Start: 2008.03.26 @ 10:34:51

Tool Information

Drill Pipe:	Length: 3231.00 ft	Diameter: 3.80 inches	Volume: 45.32 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			Total Volume: 45.32 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3246.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3231.00	
Hydraulic tool	5.00			3236.00	
Packer	5.00			3241.00	20.00 Bottom Of Top Packer
Packer	5.00			3246.00	
Stubb	1.00			3247.00	
Perforations	4.00			3251.00	
Change Over Sub	1.00			3252.00	
Recorder	0.00	8018	Inside	3252.00	
Recorder	0.00	6755	Inside	3252.00	
Blank Spacing	32.00			3284.00	
Change Over Sub	1.00			3285.00	
Perforations	5.00			3290.00	
Bullnose	3.00			3293.00	47.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 30927

DST#: 3

ATTN: Mike Bair

Test Start: 2008.03.26 @ 10:34:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.85 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

39 deg API

Water Salinity:

33000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MV 85%W 15%M	1.683
925.00	REVERSED OUT	12.975
155.00	G FREE OIL 10%G 85%O 5%M	2.174
0.00	1430 GIP	0.000

Total Length: 1200.00 ft

Total Volume: 16.832 bbl

Num Fluid Samples: 0

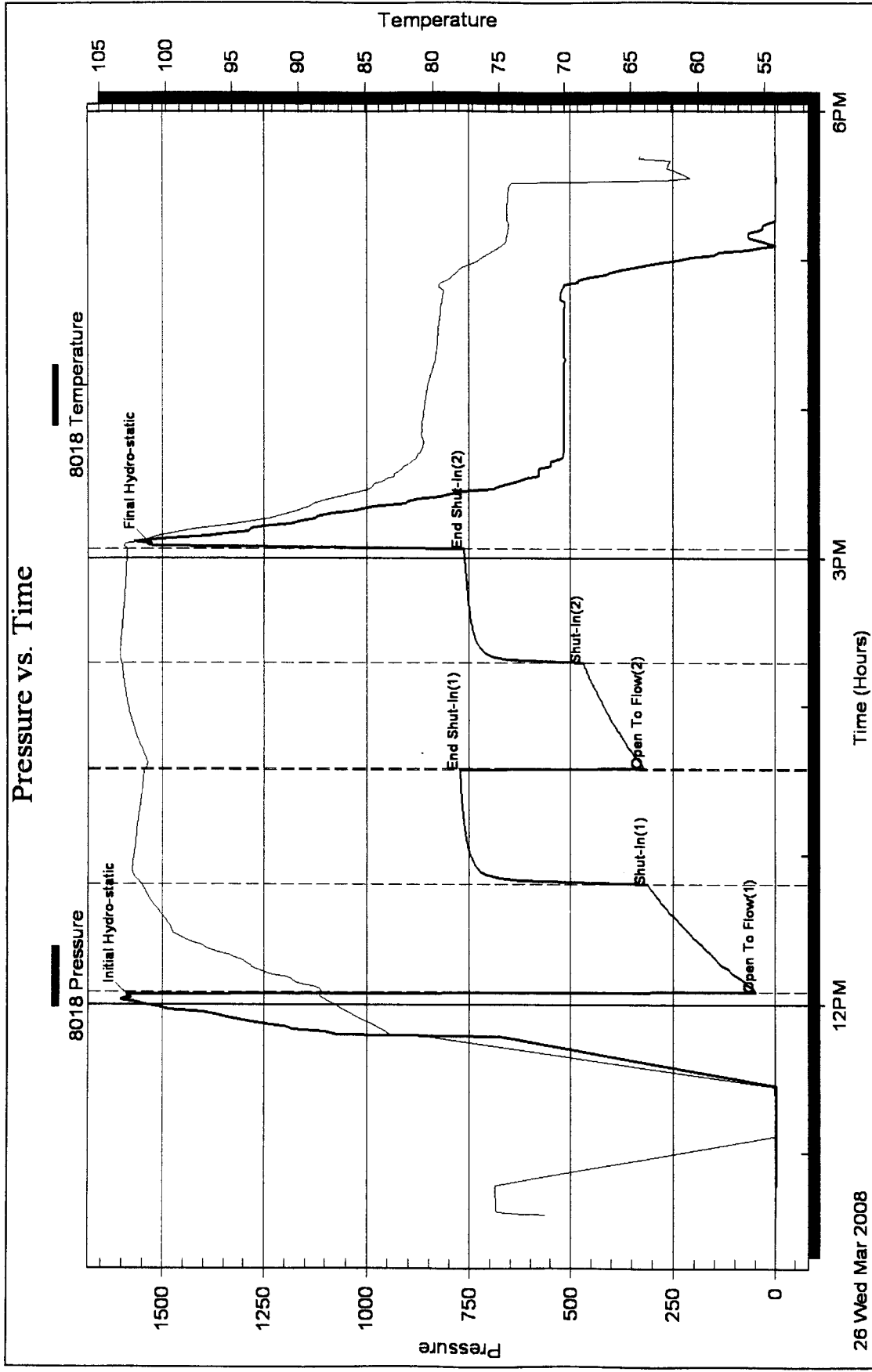
Num Gas Bombs: 0

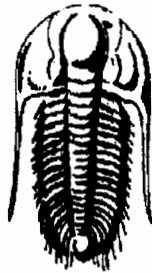
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

3 9 18W Rooks KS

McElhaney A #1

Start Date: 2008.03.27 @ 03:22:16

End Date: 2008.03.27 @ 09:47:46

Job Ticket #: 31794 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Tengasco Inc

McElhaney A #1

3 9 18W Rooks KS

DST # 4

LKC "J"

2008.03.27



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Mike Bair

McElhaney A #1

3 9 18W Rooks KS

Job Ticket: 31794

DST#: 4

Test Start: 2008.03.27 @ 03:22:16

GENERAL INFORMATION:

Formation: **LKC "J"**

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

Time Tool Opened: 04:44:46

Time Test Ended: 09:47:46

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **41**

Interval: **3365.00 ft (KB) To 3383.00 ft (KB) (TVD)**

Total Depth: **3383.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2034.00 ft (KB)**

2029.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **41.92 psig @ 3370.00 ft (KB)**

Start Date: **2008.03.27**

End Date:

2008.03.27

Capacity: **7000.00 psig**

Last Calib.: **2008.03.27**

Start Time: **03:22:21**

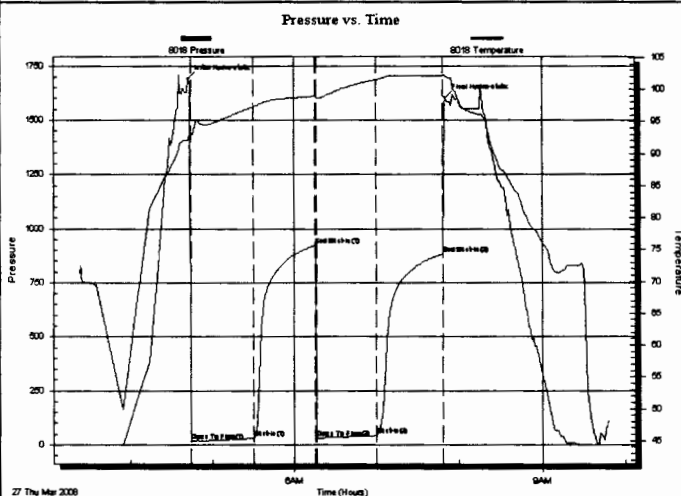
End Time:

09:47:45

Time On Btm: **2008.03.27 @ 04:42:46**

Time Off Btm: **2008.03.27 @ 07:50:16**

TEST COMMENT: IF Slow Building to 2 "
FF Weak Surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.48	92.12	Initial Hydro-static
2	15.63	92.77	Open To Flow (1)
48	29.38	97.28	Shut-In (1)
93	922.72	98.92	End Shut-In (1)
94	31.18	98.63	Open To Flow (2)
137	41.92	101.50	Shut-In (2)
186	885.14	102.08	End Shut-In (2)
188	1602.51	102.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	McW Scum of Oil 70%W 30%M	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 31794

DST#: 4

ATTN: Mike Bair

Test Start: 2008.03.27 @ 03:22:16

Tool Information

Drill Pipe:	Length: 3355.00 ft	Diameter: 3.80 inches	Volume: 47.06 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	33000.00 lb
			<u>Total Volume: 47.06 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3365.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	38.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3350.00	
Hydraulic tool	5.00			3355.00	
Packer	5.00			3360.00	20.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Stubb	1.00			3366.00	
Perforations	4.00			3370.00	
Recorder	0.00	8018	inside	3370.00	
Recorder	0.00	6755	inside	3370.00	
Perforations	10.00			3380.00	
Bullnose	3.00			3383.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

McElhaney A #1

PO Box 458
Hays KS 67601

3 9 18W Rooks KS

Job Ticket: 31794

DST#: 4

ATTN: Mike Bair

Test Start: 2008.03.27 @ 03:22:16

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:

15000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	McW Scum of Oil 70%V 30%M	0.842

Total Length: 60.00 ft

Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .7 @ 45 deg

Pressure vs. Time

