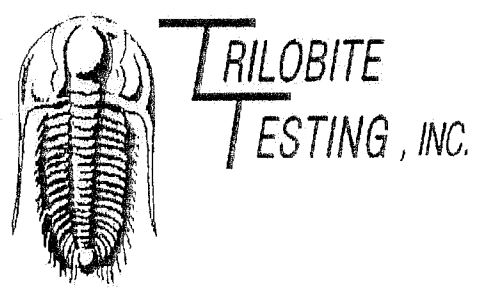


RECEIVED
KANSAS CORPORATION COMMISSION

MAY 14 2008

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

14 20 16 Pawnee KS

Dirks #2

Start Date: 2007.06.13 @ 22:15:15

End Date: 2007.06.14 @ 08:48:45

Job Ticket #: 28340 DST #: 1

15-145-21555

W2 SE SW SE

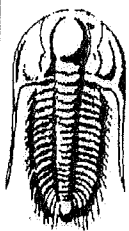
330 FSL 1880 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Tengasco Inc
Dirks #2
14 20 16 Pawnee KS
DST # 1
Arbuckle
2007.06.13



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Dirks #2

14 20 16 Pawnee KS

Job Ticket: 28340

DST#: 1

Test Start: 2007.06.13 @ 22:15:15

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:47:30

Time Test Ended: 08:48:45

Interval: **3759.00 ft (KB) To 3765.00 ft (KB) (TVD)**

Total Depth: **3765.00 ft (KB) (TVD)**

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

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Reference Elevations: 2055.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8320**

Inside

Press@RunDepth: 549.68 psig @ 3760.00 ft (KB)

Start Date: 2007.06.13

End Date:

2007.06.14

Start Time: 22:15:17

End Time:

08:48:45

Capacity: 7000.00 psig

Last Calib.: 2007.06.14

Time On Btm: 2007.06.14 @ 01:46:45

Time Off Btm: 2007.06.14 @ 05:17:30

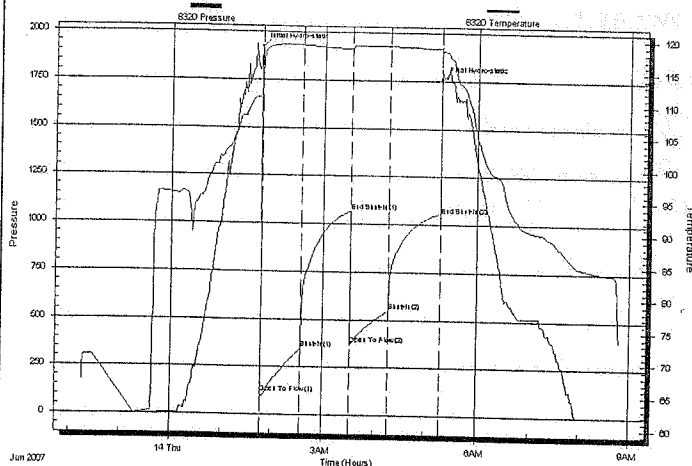
TEST COMMENT: IFP BOB in 5 sec GTS in 17 min

ISI BOB in 35 sec

FFP BOB in 3 min

FSI BOB in 5 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.24	110.88	Initial Hydro-static
1	109.36	114.47	Open To Flow (1)
48	348.35	119.12	Shut-In (1)
106	1066.65	118.55	End Shut-In (1)
106	374.13	118.35	Open To Flow (2)
151	549.68	118.98	Shut-In (2)
211	1052.34	118.69	End Shut-In (2)
211	1755.43	118.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
728.00	Water	9.16
62.00	MW 90%W 10%M	0.88
186.00	GOCWM 10%G 20%O 10%W 60%M	2.64
124.00	CGO 30%G 70%O	1.76

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.13	0.20	5.47
Max. Gas Rate	0.25	1.50	25.22



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Dirks #2

14 20 16 Pawnee KS

Job Ticket: 28340

DST#: 1

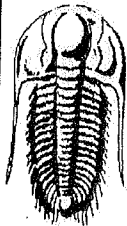
Test Start: 2007.06.13 @ 22:15:15

Tool Information

Drill Pipe:	Length: 3633.00 ft	Diameter: 3.82 inches	Volume: 51.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 52.11 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3759.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	27.00 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			3739.00	
Shut In Tool	5.00			3744.00	
Hydraulic tool	5.00			3749.00	
Packer	5.00			3754.00	21.00 Bottom Of Top Packer
Packer	5.00			3759.00	
Stubb	1.00			3760.00	
Recorder	0.00	8320	Inside	3760.00	
Perforations	2.00			3762.00	
Recorder	0.00	13401	Inside	3762.00	
Bullnose	3.00			3765.00	6.00 Bottom Packers & Anchor
Total Tool Length:		27.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Dirks #2

PO Box 458
Hays KS 67601

14 20 16 Pawnee KS

Job Ticket: 28340

DST#: 1

ATTN: Rod Tremblay

Test Start: 2007.06.13 @ 22:15:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 6400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

40 deg API

Water Salinity:

35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
728.00	Water	9.163
62.00	MW 90%W 10%M	0.879
186.00	GOCWM 10%G 20%O 10%W 60%M	2.637
124.00	CGO 30%G 70%O	1.758

Total Length: 1100.00 ft

Total Volume: 14.437 bbl

Num Fluid Samples: 0

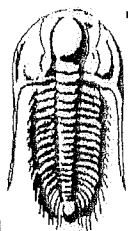
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Tengasco Inc

Dirks #2

PO Box 458

14 20 16 Pawnee KS

Hays KS 67601

Job Ticket: 28340

DST#: 1

ATTN: Rod Tremblay

Test Start: 2007.06.13 @ 22:15:15

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 (m³/d)
1	20	0.25	1.00	24.43
1	20	0.25	1.00	24.43
1	30	0.25	1.50	25.22
1	40	0.25	1.00	24.43
2	10	0.13	0.60	5.61
2	20	0.13	0.40	5.54
2	30	0.13	0.20	5.47

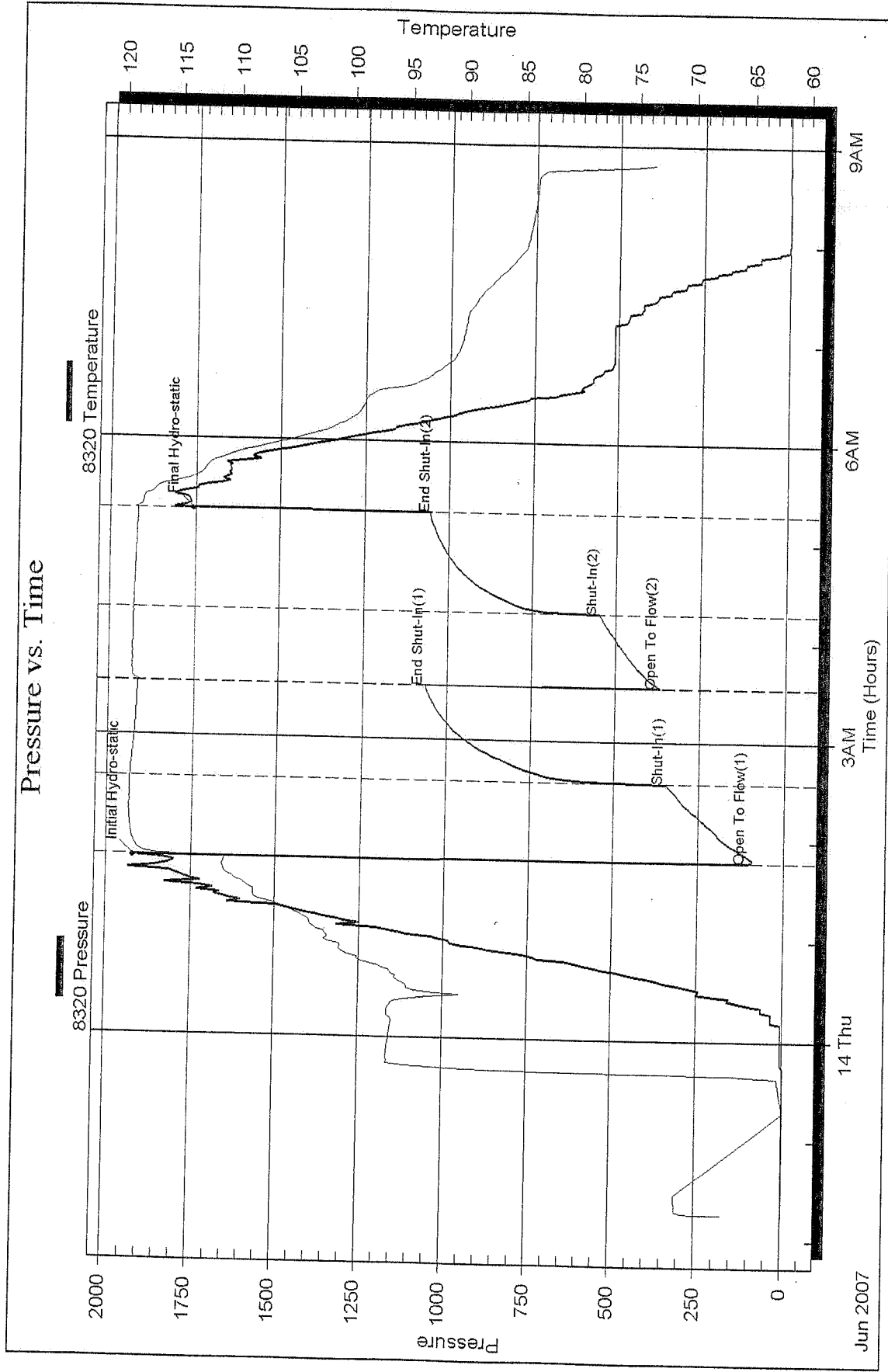
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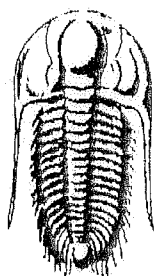
Inside

Tengasco Inc

14 20 16 Paw nee KS

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

14 20 16 Pawnee KS

Dirks #2

Start Date: 2007.06.14 @ 23:52:16

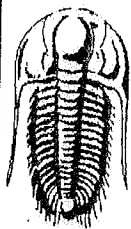
End Date: 2007.06.15 @ 08:32:16

Job Ticket #: 28341 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

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Dirks #2

14 20 16 Pawnee KS

Job Ticket: 28341

DST#: 2

Test Start: 2007.06.14 @ 23:52:16

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:58:31

Time Test Ended: 08:32:16

Interval: **3788.00 ft (KB) To 3796.00 ft (KB) (TVD)**

Total Depth: **3840.00 ft (KB) (TVD)**

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

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 21

Reference Elevations: 2055.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 446.86 psig @ 3789.00 ft (KB)

Start Date: 2007.06.14

End Date:

2007.06.15

Start Time: 23:52:18

End Time:

08:32:16

Capacity: 7000.00 psig

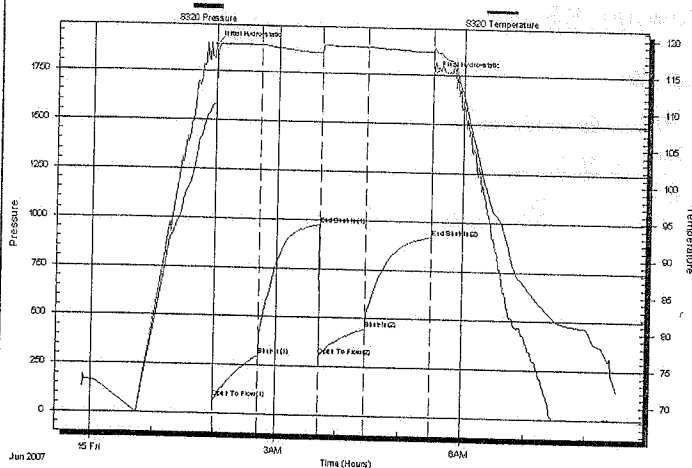
Last Calib.: 2007.06.15

Time On Btm: 2007.06.15 @ 01:58:16

Time Off Btm: 2007.06.15 @ 05:31:01

TEST COMMENT: IFP BOB in 1.5 min
ISI BOB in 3 min
FFP BOB in 2 min GTS in 19 min
FSI BOB in 3.5 min

Pressure vs. Time



PRESSURE SUMMARY

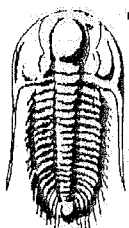
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.90	110.94	Initial Hydro-static
1	78.97	110.50	Open To Flow (1)
45	299.13	118.64	Shut-In (1)
104	975.56	117.71	End Shut-In (1)
105	307.58	117.63	Open To Flow (2)
149	446.86	118.60	Shut-In (2)
213	921.28	118.11	End Shut-In (2)
213	1749.46	118.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
811.00	Water	10.34
62.00	SOCMW 10%O 80%W 10%M	0.88
92.00	GMCWO 10%G 65%O 20%W 5%M	1.30
35.00	GWO 10%G 80%O 10%W	0.50

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.60	5.99
Last Gas Rate	0.13	0.20	5.47
Max. Gas Rate	0.13	1.60	5.99



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Dirks #2

14 20 16 Pawnee KS

Job Ticket: 28341

DST#: 2

Test Start: 2007.06.14 @ 23:52:16

Tool Information

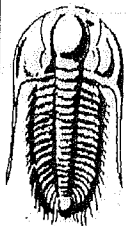
Drill Pipe:	Length: 3664.00 ft	Diameter: 3.82 inches	Volume: 51.94 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 52.55 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3788.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	3796.00 ft			
Interval between Packers:	8.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3768.00	
Shut In Tool	5.00			3773.00	
Hydraulic tool	5.00			3778.00	
Packer	5.00			3783.00	21.00 Bottom Of Top Packer
Packer	5.00			3788.00	
Stubb	1.00			3789.00	
Recorder	0.00	8320	Inside	3789.00	
Perforations	4.00			3793.00	
Recorder	0.00	13401	Inside	3793.00	
Blank Off Sub	1.00			3794.00	
Stubb	2.00			3796.00	8.00 Tool Interval
Packer	2.00			3798.00	
Change Over Sub	1.00			3799.00	
Blank Spacing	31.00			3830.00	
Change Over Sub	1.00			3831.00	
Perforations	8.00			3839.00	
Recorder	0.00	3351	Outside	3839.00	
Bullnose	3.00			3842.00	46.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Dirks #2

PO Box 458
Hays KS 67601

14 20 16 Pawnee KS

Job Ticket: 28341

DST#: 2

ATTN: Rod Tremblay

Test Start: 2007.06.14 @ 23:52:16

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 10.38 in³

Resistivity: ohm.m

Salinity: 6400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
811.00	Water	10.339
62.00	SOCMW 10%O 80%W 10%M	0.879
92.00	GMCWO 10%G 65%O 20%W 5%M	1.304
35.00	GWO 10%G 80%O 10%W	0.496

Total Length: 1000.00 ft

Total Volume: 13.018 bbl

Num Fluid Samples: 0

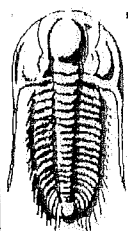
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GTS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Tengasco Inc

Dirks #2

PO Box 458
Hays KS 67601

14 20 16 Pawnee KS

Job Ticket: 28341

DST#: 2

ATTN: Rod Tremblay

Test Start: 2007.06.14 @ 23:52:16

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)
2	20	0.13	1.60	5.99
2	30	0.13	1.00	5.76
2	40	0.13	0.20	5.47

Serial #: 8320

Inside

Tengasco Inc

14 20 16 Paw nee KS

DST Test Number: 2

