

DRILL STEM TEST REPORT

Prepared For: **Daystar Pet. Inc.**

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

18-34S-19W Comanche

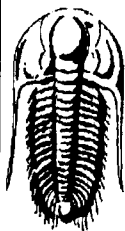
Ransom 18-1

Start Date: 2001.10.14 @ 19:25:12

End Date: 2001.10.15 @ 03:33:27

Job Ticket #: 14943 DST #: 1

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Pet. Inc.

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14943

DST#: 1

Test Start: 2001.10.14 @ 19:25:12

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:11:12

Time Test Ended: 03:33:27

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **4810.00 ft (KB) To 4820.00 ft (KB) (TVD)**

Total Depth: 4820.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1790.00 ft (KB)

1779.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289

Inside

Press@RunDepth: 61.33 psig @ 4812.00 ft (KB)

Start Date: 2001.10.14 End Date: 2001.10.15

Start Time: 19:25:17 End Time: 03:33:26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2001.10.14 @ 21:04:27

Time Off Btm: 2001.10.15 @ 01:19:12

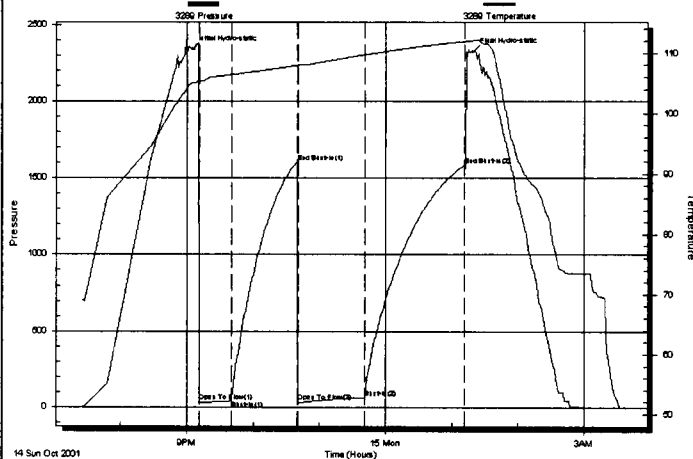
TEST COMMENT: IF: Strong OBB in 15 sec. Cracked 2". Decreased slightly.

IS: No blow-back.

FF: Strong immed. GTS in 5 min. See flow chart.

FSI: Surface blow-back. "Gas burned."

Pressure vs. Time



PRESSURE SUMMARY

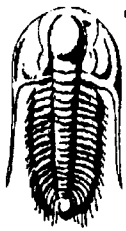
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.59	105.00	Initial Hydro-static
7	33.77	105.48	Open To Flow (1)
36	39.58	106.41	Shut-In (1)
96	1603.68	107.95	End Shut-In (1)
96	35.57	108.12	Open To Flow (2)
157	61.33	109.75	Shut-In (2)
247	1584.84	111.93	End Shut-In (2)
255	2323.20	112.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Wtr w/scum of Oil 100%W	0.02
95.00	Wtry McGassy Oil 40%G 33%O 12%W	10.471
25.00	Cln Gassy Oil 10%G 90%O	0.12
0.00	4673 ft. of GIP	0.00
0.00	O 40 G at 60 F. RW 0.40 at 48 F. 25,200	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.20	6.21
Last Gas Rate	0.13	4.40	7.04
Max. Gas Rate	0.13	4.40	7.04



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14943

DST#: 1

ATTN: Brad Rine

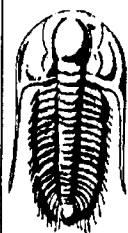
Test Start: 2001.10.14 @ 19:25:12

Tool Information

Drill Pipe:	Length: 4616.00 ft	Diameter: 3.80 inches	Volume: 64.75 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 7000.00 lb
		Total Volume:	65.65 bbl	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4810.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			4784.00	
S.I. Tool	5.00			4789.00	
HMV	5.00			4794.00	
Jars	5.00			4799.00	
Safety Joint	2.00			4801.00	
Packer	4.00			4805.00	27.00 Bottom Of Top Packer
Packer	5.00			4810.00	
Stubb	1.00			4811.00	
Perforations	1.00			4812.00	
Recorder	0.00	3289	Inside	4812.00	
Perforations	6.00			4818.00	
Bullnose	2.00			4820.00	10.00 Bottom Packers & Anchor
Total Tool Length:		37.00			



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FLUID SUMMARY

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14943

DST#: 1

ATTN: Brad Rine

Test Start: 2001.10.14 @ 19:25:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25200 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Wtr w/scum of Oil 100%W	0.025
95.00	Wtry McGassy Oil 40%G 33%O 12%W 15%I	0.467
25.00	Cln Gassy Oil 10%G 90%O	0.123
0.00	4673 ft. of GIP	0.000
0.00	O 40 G at 60 F. RW 0.40 at 48 F. 25,200	0.000

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 1

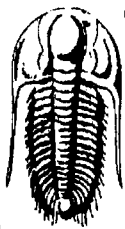
Num Gas Bombs: 1

Serial #: 1

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14943

DST#: 1

ATTN: Brad Rine

Test Start: 2001.10.14 @ 19:25:12

Gas Rates Information

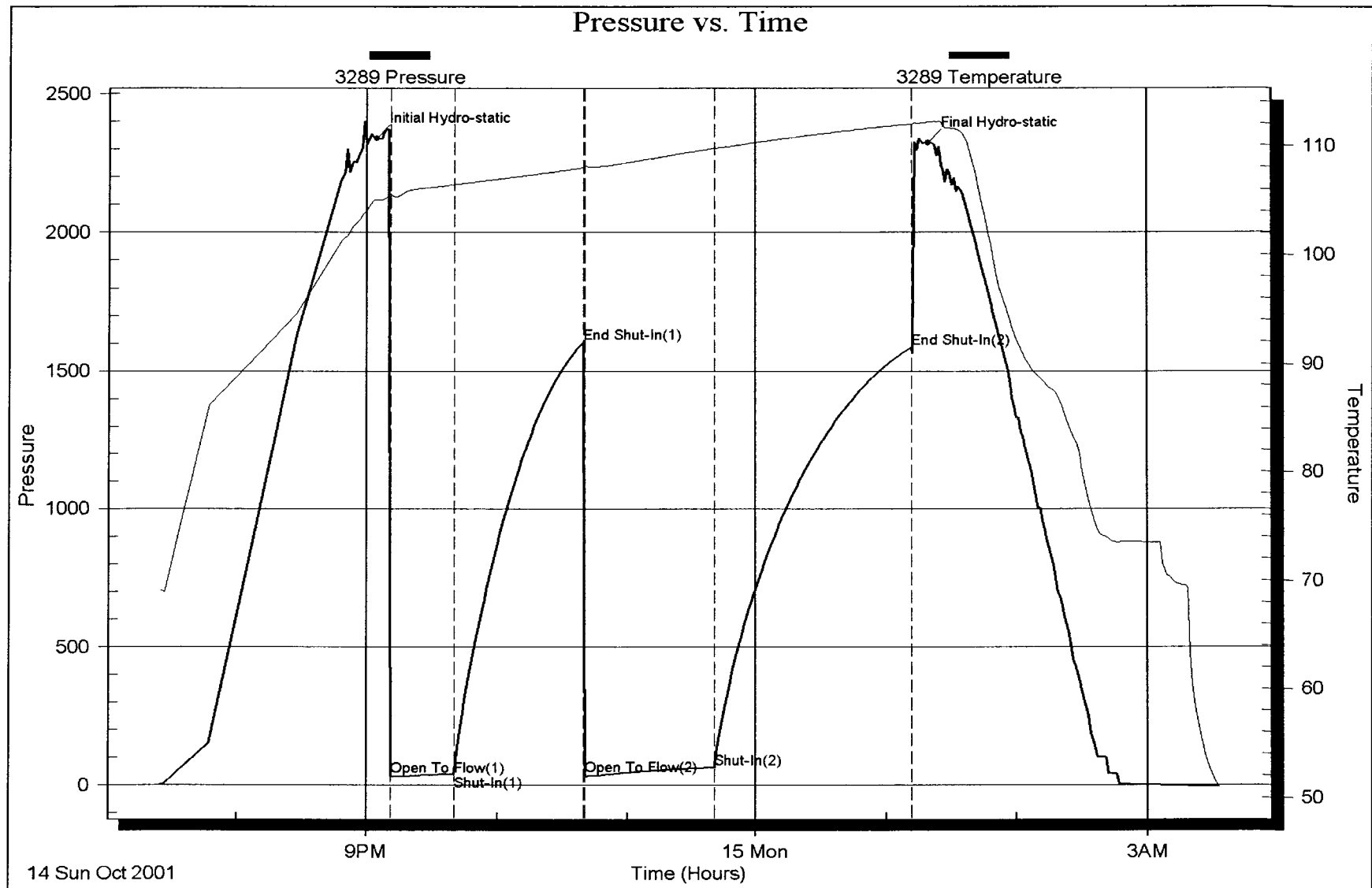
Temperature: 59 deg C

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	10	0.13	2.20	6.21
2	20	0.13	3.30	6.62
2	30	0.13	3.80	6.81
2	40	0.13	4.20	6.96
2	50	0.13	4.40	7.04



NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20015097**Analyzed: 10/17/01**

Sample From: Ransom 18-1 DST 1
Producer: Daystar Petroleum

Pressure:
Temperature:

Date: 10/14/01**Location: 18-34-19**

Time:
Sampler: Lanny
Source:

County: Comanche
State: Kansas
Formation: KC

	Mole %	GPM
Helium	He: 0.015	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.127	0.000
Carbon Dioxide	CO2: 0.025	0.000
Methane	C1: 51.375	0.000
Ethane	C2: 8.733	2.336
Propane	C3: 13.954	3.845
Iso Butane	iC4: 2.442	0.799
Normal Butane	nC4: 7.898	2.490
Iso Pentane	iC5: 2.692	0.985
Normal Pentane	nC5: 3.162	1.145
Hexanes Plus	C6+: 7.577	3.306

TOTAL: 100.000 14.906

Z Fact: 0.9893

SP.GR.: 1.2193

BTU (SAT): 1975.7 @ 14.73 psia
BTU (DRY): 2010.7 @ 14.73 psia

OCTANE RATING: 104.2

COMMENTS:

0.000



GAS VOLUME REPORT

Daystar Pet. Inc
OPERATOR

Ransom "18-1"

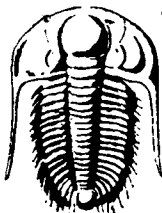
DST NC

GTS 5 min. into F.F.P.

TFP

F F F

Remarks: Gas burned.
1 sample to Caraway.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14943

Test Ticket

Well Name & No.	<u>Ransom "18-1"</u>	Test No.	<u>1</u>	Date	<u>10-14-01</u>
Company	<u>Daystar Pet. Inc.</u>	Zone Tested	<u>Kansas City</u>		
Address	<u>Valley Center Ks. 67147</u>	Elevation	<u>1790</u>	KB	<u>1779</u> GL
Co. Rep / Geo.	<u>Brad Rine</u>	Cont.	<u>Duke 5</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>18</u>	Twp.	<u>34.5</u>	Rge.	<u>19W</u>
		Co.	<u>Comanche</u>	State	<u>Ks.</u>
No. of Copies	<u>800</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>
		Evaluation (Y, N)	<u> </u>		

Interval Tested	<u>4810-4820</u>	Initial Str Wt./Lbs.	<u>58,000</u>	Unseated Str Wt./Lbs.	<u>58,000</u>
Anchor Length	<u>10'</u>	Tail =	<u>27</u>	Wt. Set Lbs.	<u>20,000</u>
Top Packer Depth	<u>4805</u>	Wt. Pulled Loose/Lbs.	<u>2,000</u>	Tool Weight	<u>1,800</u>
Bottom Packer Depth	<u>4810</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Total Depth	<u>4820</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>182</u>
Mud Wt.	<u>9.4</u>	LCM	<u>4#</u>	Vis.	<u>46</u>
		WL	<u>8.8</u>	Drill Pipe Size	<u>4 1/2 x 14</u>
Blow Description	<u>Stung OBB in 15 sec cracked 2' & decreased slightly. I.F.P.</u>				
	<u>No blow-back. I.S.T.P.</u>				
	<u>Stung inner GTS in 5 min. see flow chart. F.F.P.</u>				
	<u>Section blow-back. F.S.T.P.</u>				

Recovery — Total Feet	<u>12.5</u>	GIP	<u>46.73</u>	Ft. in DC	<u>12.5</u>	Ft. in DP	<u>0</u>
Rec.	<u>2.5</u>	Feet Of	<u>Clu Gassy Oil</u>	10 %gas	90 %oil	%water	%mud
Rec.	<u>9.5</u>	Feet Of	<u>Wt. McGassy O</u>	40 %gas	33 %oil	12 %water	15 %mud
Rec.	<u>5</u>	Feet Of	<u>Wt. oil & sand oil</u>	%gas	%oil	100 %water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
BHT	<u>111</u>	°F Gravity	<u>39</u>	°API D@	<u>50</u>	°F Corrected Gravity	<u>40</u>
RW	<u>0.40</u>	@	<u>48</u>	°F Chlorides	<u>25,200</u>	ppm Recovery	<u>5,000</u>
				Chlorides	<u>5,000</u>	ppm System	<u> </u>

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	}	<u>2339</u>	PSI	Recorder No.	<u>3289 "19:25"</u>
(B) First Initial Flow Pressure		<u>233</u>	PSI	(depth)	<u>4812</u>
(C) First Final Flow Pressure		<u>39</u>	PSI	Recorder No.	<u> </u>
(D) Initial Shut-In Pressure		<u>160.3</u>	PSI	(depth)	<u> </u>
(E) Second Initial Flow Pressure		<u>35</u>	PSI	Recorder No.	<u> </u>
(F) Second Final Flow Pressure		<u>61</u>	PSI	(depth)	<u> </u>
(G) Final Shut-in Pressure		<u>1584</u>	PSI	Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>2323</u>	PSI	Initial Shut-in	<u>60</u>	
			Final Flow	<u>60</u>	
			Final Shut-in	<u>20</u>	

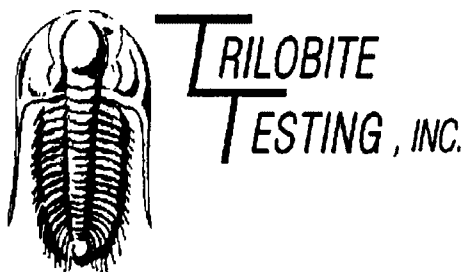
A1411925.289

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Approved By Brad Rine

Our Representative Jimmy L. Salazar

T-On Location	<u>6:30 P.M.</u>
T-Started	<u>7:25 P.M.</u>
T-Open	<u>9:10 P.M.</u>
T-Pulled	<u>1:10 A.M.</u>
T-Out	<u>3:40 A.M.</u>
T-Off Location	<u> </u>
Test	<u>800</u> ✓
Jars	<u>200</u> ✓
Safety Joint	<u>50</u> ✓
Straddle	<u> </u>
Circ. Sub	<u> </u>
Sampler	<u> </u>
Extra Packer	<u> </u>
Elec. Rec	<u>150</u> ✓
Mileage	<u>85</u> ✓
Other	<u> </u>
TOTAL PRICE \$	<u>4285.00</u>



DRILL STEM TEST REPORT

Prepared For: **Daystar Pet. Inc.**

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

18-34S-19W Comanche

Ransom 18-1

Start Date: 2001.10.16 @ 01:40:05

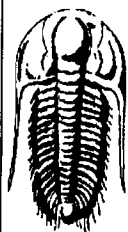
End Date: 2001.10.16 @ 09:48:20

Job Ticket #: 14944 DST #: 2

Trilobite Testing, Inc

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



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DRILL STEM TEST REPORT

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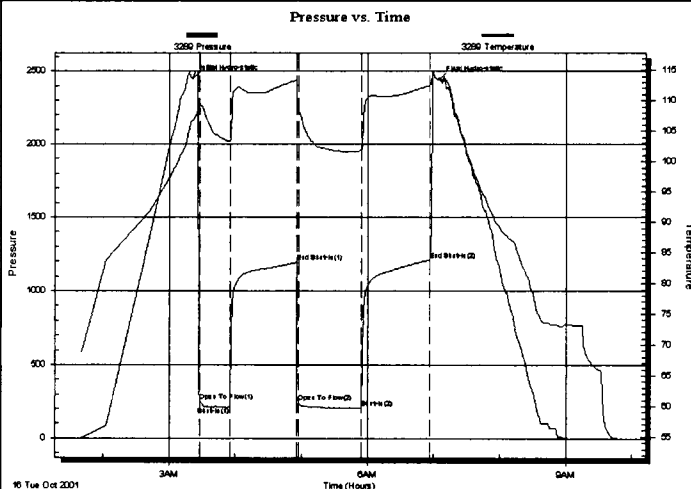
Ransom 18-1
18-34S-19W Comanche
Job Ticket: 14944 **DST#: 2**
Test Start: 2001.10.16 @ 01:40:05

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:27:50
Time Test Ended: 09:48:20
Interval: **5027.00 ft (KB) To 5065.00 ft (KB) (TVD)**
Total Depth: 5065.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Lanny Saloga
Unit No: 14
Reference Elevations: 1790.00 ft (KB)
1779.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 3289 Inside
Press@RunDepth: 208.65 psig @ 5029.00 ft (KB)
Start Date: 2001.10.16 End Date: 2001.10.16
Start Time: 01:40:10 End Time: 09:48:19
Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2001.10.16 @ 03:22:05
Time Off Btm: 2001.10.16 @ 07:04:50

TEST COMMENT: IF: Strong immed. GTS in 2 min. See flow chart.
IS: Surface blow-back. "Gas burned."
FF: See flow chart. "Told no gas sample needed."
FS: Surface blow-back.



PRESSURE SUMMARY

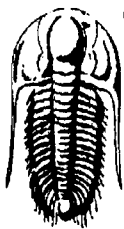
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2451.16	106.87	Initial Hydro-static
6	251.53	109.57	Open To Flow (1)
34	210.59	103.29	Shut-In (1)
94	1191.94	113.41	End Shut-In (1)
95	246.58	108.15	Open To Flow (2)
153	208.65	101.97	Shut-In (2)
215	1207.57	112.56	End Shut-In (2)
223	2444.13	113.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Wtr c Gassy M 8%G 14%W 78%M	0.30
100.00	Sli GcM 5%G 95%M	0.49
0.00	4854 ft. GIP	0.00
0.00	RW 0.49 at 35 F. 28,100 PPM.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	38.00	818.48
Last Gas Rate	0.75	41.00	865.34
Max. Gas Rate	0.75	43.00	896.58



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Pet. Inc.

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14944

DST#: 2

Test Start: 2001.10.16 @ 01:40:05

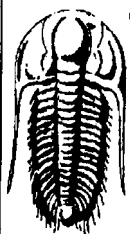
Tool Information

Drill Pipe:	Length: 4832.00 ft	Diameter: 3.80 inches	Volume: 67.78 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 7000.00 lb
		Total Volume:	68.68 bbl	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	5027.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 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			5001.00	
S.I. Tool	5.00			5006.00	
HMV	5.00			5011.00	
Jars	5.00			5016.00	
Safety Joint	2.00			5018.00	
Packer	4.00			5022.00	27.00 Bottom Of Top Packer
Packer	5.00			5027.00	
Stubb	1.00			5028.00	
Perforations	1.00			5029.00	
Recorder	0.00	3289	Inside	5029.00	
Perforations	34.00			5063.00	
Recorder	0.00	10242	Inside	5063.00	
Bullnose	2.00			5065.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



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1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1
18-34S-19W Comanche
Job Ticket: 14944 **DST#: 2**
Test Start: 2001.10.16 @ 01:40:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 9.55 in³
Resistivity: ohm.m
Salinity: 5000.00 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: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Wtr c Gassy M 8%G 14%W 78%M	0.295
100.00	Sli GcM 5%G 95%M	0.492
0.00	4854 ft. GIP	0.000
0.00	RW 0.49 at 35 F. 28,100 PPM.	0.000

Total Length: 160.00 ft Total Volume: 0.787 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14944

DST#: 2

ATTN: Brad Rine

Test Start: 2001.10.16 @ 01:40:05

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	10	0.75	38.00	818.48
1	20	0.75	40.00	849.72
1	30	0.75	40.00	849.72
2	10	0.75	43.00	896.58
2	20	0.75	43.00	896.58
2	30	0.75	42.00	880.96
2	40	0.75	41.00	865.34
2	50	0.75	41.00	865.34
2	60	0.75	41.00	865.34

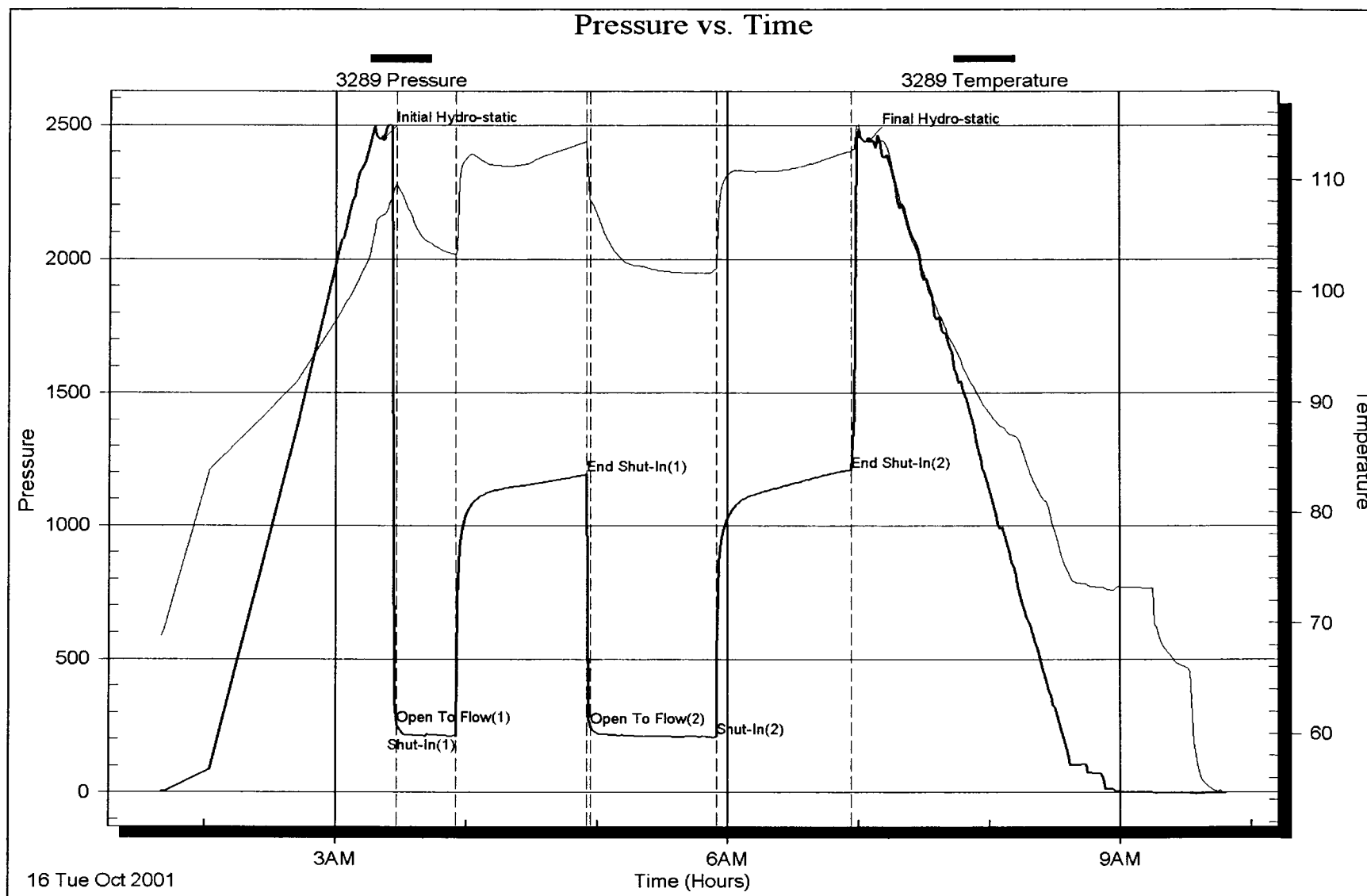
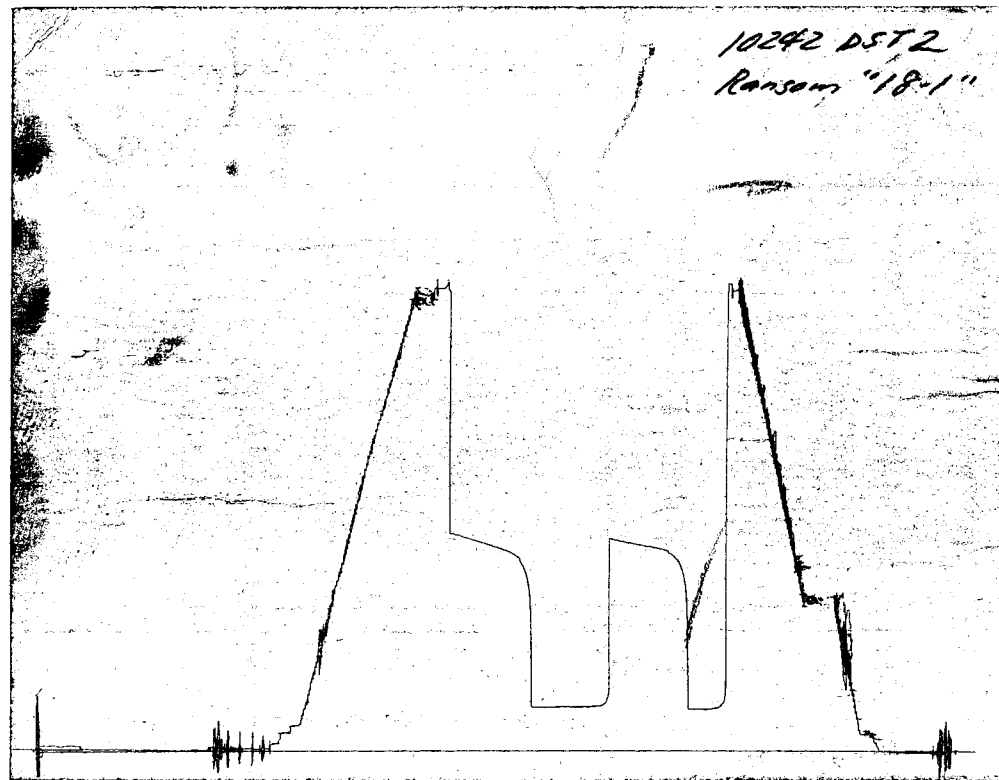


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





GAS VOLUME REPORT

OPERATOR

WELL NAME AND NO.

DST NO.

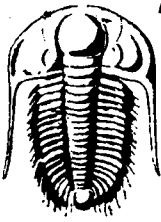
GTS 2 min. into I.F.P.

I.F.P.

FFF

Remarks: Gas burned

No sample caught.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14944

Test Ticket

Well Name & No. <u>Ransom "18-1"</u>	Test No. <u>2</u>	Date <u>10-16-01</u>
Company <u>Daystar Pet. Inc.</u>	Zone Tested <u>Pawnee</u>	
Address <u>Valley Center KS. 67147</u>	Elevation <u>1790</u> KB <u>1779</u> GL	
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Duke 5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u>	Twp. <u>34.5</u>	Rge. <u>19W</u> Co. <u>Comanche</u> State <u>KS.</u>
No. of Copies <u>Reg.</u>	Distribution Sheet (Y, N) <u>N.</u>	Turnkey (Y, N) <u>N.</u> Evaluation (Y, N) <u> </u>

Interval Tested 5027-5065 Initial Str Wt./Lbs. 58000 Unseated Str Wt./Lbs. 58000
 Anchor Length 38' Tail=27' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 7000
 Top Packer Depth 5022 Tool Weight 4800
 Bottom Packer Depth 5027 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5065 Wt. Pipe Run Drill Collar Run 182
 Mud Wt. 9.2 LCM 4# Vis. 49 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 4832 14' up
 Blow Description String immersed GTS in 2 min. See flow chart. T.F.P.
Surface blow-back. T.S.T.P.
See flow chart. F.F.P.
Surface blow-back. F.S.T.P.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>160</u>	<u>4854</u>	<u>160</u>	<u>0</u>
Rec. <u>100</u> Feet Of <u>51.6 GCM</u>	<u>5</u> %gas	%oil	%water <u>95</u> %mud
Rec. <u>60'</u> Feet Of <u>44.6 Gassy M</u>	<u>8</u> %gas	%oil	<u>14</u> %water <u>78</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud

BHT 112 °F Gravity °API D@ °F Corrected Gravity °API
 RW 0.49 @ 35 °F Chlorides 28,100 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2451</u>	<u>2451</u>	<u>3289</u>	<u>01:40</u>	<u>12:00 A.M.</u>
(B) First Initial Flow Pressure	<u>251</u>	<u>251</u>	(depth)	<u>5029</u>	T-Started <u>1:40 A.M.</u>
(C) First Final Flow Pressure	<u>210</u>	<u>210</u>	PSI	<u>10242</u>	T-Open <u>3:25 A.M.</u> <u>10</u>
(D) Initial Shut-In Pressure	<u>1191</u>	<u>1191</u>	PSI	(depth)	<u>5062</u> T-Pulled <u>6:55 A.M.</u>
(E) Second Initial Flow Pressure	<u>246</u>	<u>246</u>	PSI	Recorder No. <u> </u>	T-Out <u>10:00 A.M.</u>
(F) Second Final Flow Pressure	<u>208</u>	<u>208</u>	PSI	(depth)	<u> </u> T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1207</u>	<u>1207</u>	PSI	Initial Opening <u>30</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2444</u>	<u>2444</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>200</u> ✓

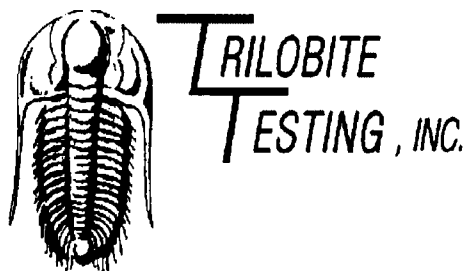
Final Flow 60 Safety Joint 50 ✓
 Final Shut-in 60 Straddle

A1610140.289
 TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Brad Rine

Our Representative Ermy L. Salgado

Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec. 150 ✓
 Mileage 85 ✓
 Other
 TOTAL PRICE \$ 4,385.00



DRILL STEM TEST REPORT

Prepared For: **Daystar Pet. Inc.**

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

18-34S-19W Comanche

Ransom 18-1

Start Date: 2001.10.16 @ 20:00:05

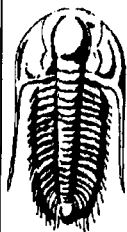
End Date: 2001.10.17 @ 04:05:35

Job Ticket #: 14945 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Pet. Inc.
1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14945

DST#: 3

Test Start: 2001.10.16 @ 20:00:05

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:31:20

Time Test Ended: 04:05:35

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **5071.00 ft (KB) To 5095.00 ft (KB) (TVD)**

Total Depth: 5095.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1790.00 ft (KB)

1779.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289

Inside

Press@RunDepth: 35.37 psig @ 5073.00 ft (KB)

Start Date: 2001.10.16

End Date:

2001.10.17

Start Time: 20:00:10

End Time:

04:05:34

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2001.10.16 @ 21:24:20

Time Off Btm: 2001.10.17 @ 01:45:35

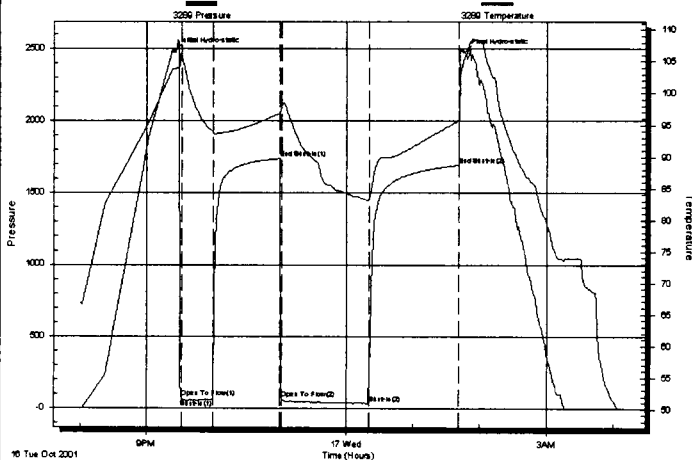
TEST COMMENT: IF: Strong immed. GTS in 4 min. See flow chart.

IS: No blow-back.

FF: See flow chart. "Gas burned."

FS: No blow-back.

Pressure vs. Time



PRESSURE SUMMARY

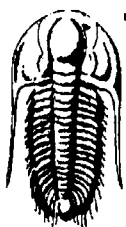
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2475.89	103.82	Initial Hydro-static
7	71.22	106.23	Open To Flow (1)
36	56.10	93.79	Shut-In (1)
96	1739.99	96.89	End Shut-In (1)
98	65.53	97.75	Open To Flow (2)
176	35.37	83.07	Shut-In (2)
256	1693.55	95.66	End Shut-In (2)
262	2473.23	105.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Sl GcM 6%G 94%M	0.07
0.00	5,060 ft. GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	14.00	191.58
Last Gas Rate	0.50	10.00	164.59
Max. Gas Rate	0.50	16.00	205.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Pet. Inc.

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14945

DST#:3

Test Start: 2001.10.16 @ 20:00:05

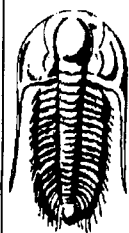
Tool Information

Drill Pipe:	Length: 4893.00 ft	Diameter: 3.80 inches	Volume: 68.64 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 69.54 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5071.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	51.00 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			5045.00	
S.I. Tool	5.00			5050.00	
HMV	5.00			5055.00	
Jars	5.00			5060.00	
Safety Joint	2.00			5062.00	
Packer	4.00			5066.00	27.00 Bottom Of Top Packer
Packer	5.00			5071.00	
Stubb	1.00			5072.00	
Perforations	1.00			5073.00	
Recorder	0.00	3289	Inside	5073.00	
Perforations	20.00			5093.00	
Recorder	0.00	10242	Inside	5093.00	
Bullnose	2.00			5095.00	24.00 Bottom Packers & Anchor

Total Tool Length: 51.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14945

DST#: 3

ATTN: Brad Rine

Test Start: 2001.10.16 @ 20:00:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Slr GcM 6%G 94%M	0.074
0.00	5,060 ft. GIP	0.000

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

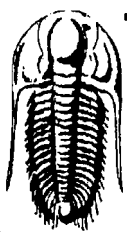
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14945

DST#: 3

ATTN: Brad Rine

Test Start: 2001.10.16 @ 20:00:05

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	10	0.50	14.00	191.58
1	20	0.50	16.00	205.07
1	30	0.50	16.00	205.07
2	10	0.50	16.00	205.07
2	20	0.50	15.00	198.32
2	30	0.50	14.00	191.58
2	40	0.50	12.00	178.09
2	50	0.50	11.00	171.34
2	60	0.50	10.00	164.59
2	70	0.50	10.00	164.59
2	80	0.50	10.00	164.59

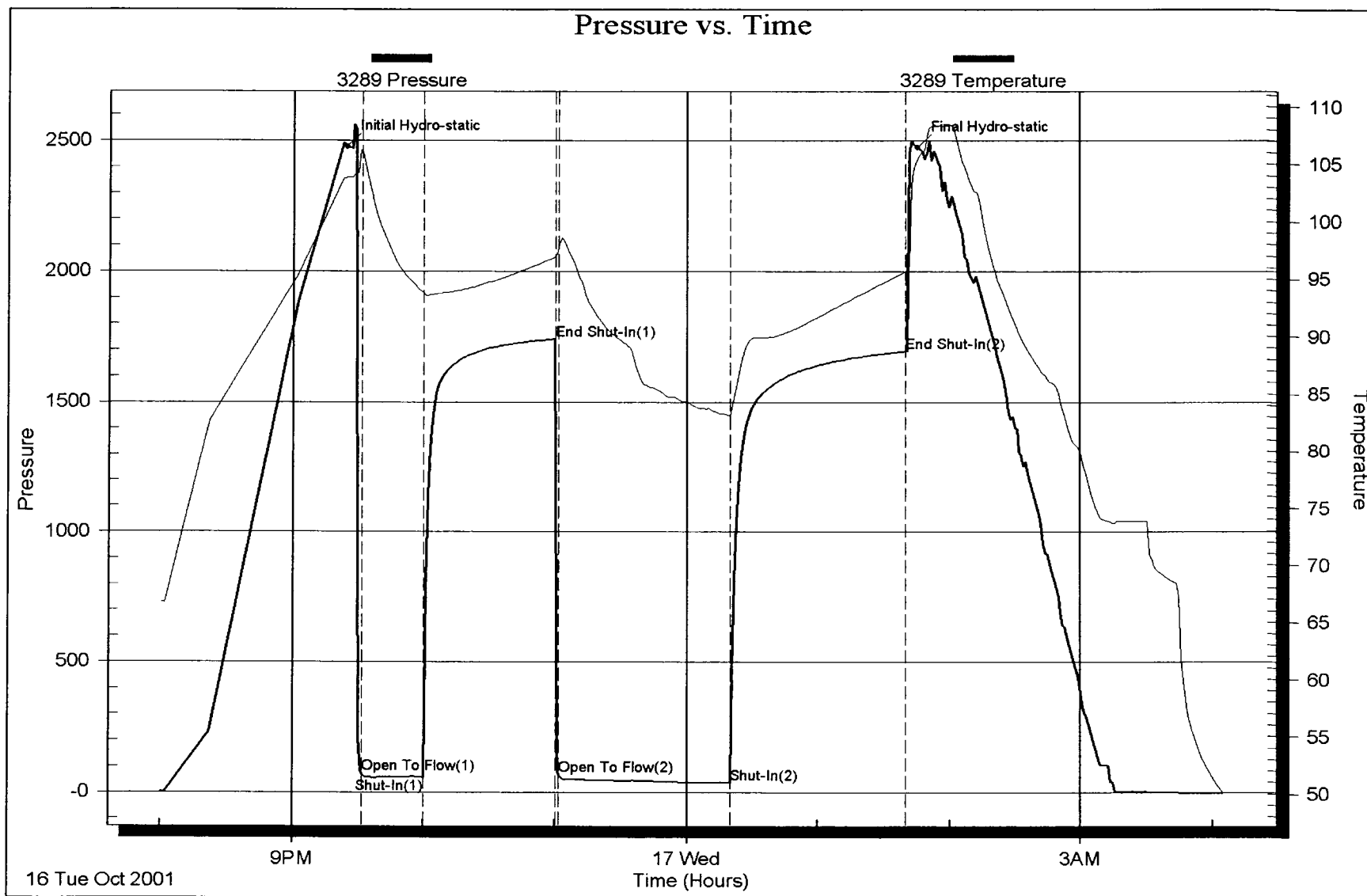
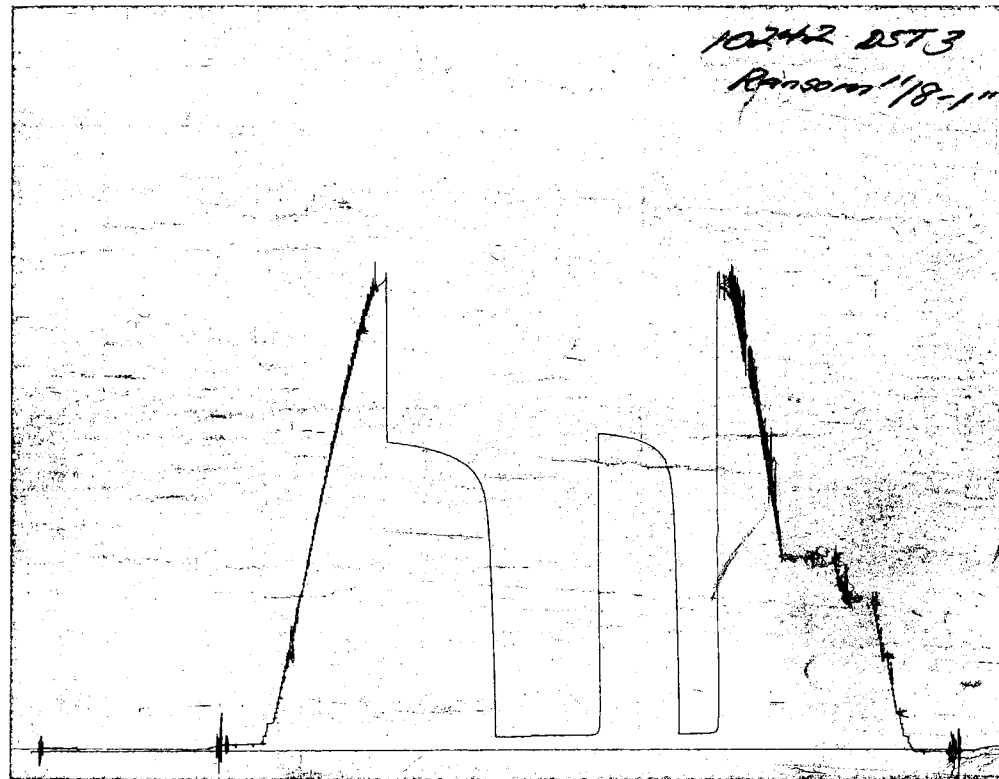


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





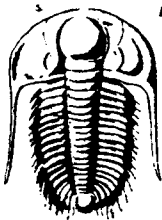
GAS VOLUME REPORT

3
DST NO.

I. F. P.

F.F.P.

Remarks: Gas burned.
No sample caught.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14945

Test Ticket

Well Name & No. <u>Ransom "18-1"</u>	Test No. <u>3</u>	Date <u>10-16-01</u>
Company <u>Daystar Pet. Inc.</u>	Zone Tested <u>Fl. Scott</u>	
Address <u>Valley Center Ks. 67147</u>	Elevation <u>1790</u> KB <u>1779</u> GL	
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Duke 5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>34S</u> Rge. <u>19W</u>	Co. <u>Comanche</u> State <u>KS</u>	
No. of Copies <u>Reg.</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u> </u>

Interval Tested 5071-5095 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 24' Tool = 27' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 5,000
 Top Packer Depth 5066 Tool Weight 1,800
 Bottom Packer Depth 5071 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5095 Wt. Pipe Run Drill Collar Run 182
 Mud Wt. 9.5 LCM 4# Vis. 48 WL 9.6 Drill Pipe Size 4 1/2 KH Ft. Run 4893 31 up

Blow Description Strong OBB in mud. GTS in 4 min. See flow chart. T. F. P.

No blow-back. F.S.I.P.

See flow chart. F.F.P.

No blow-back. F.S.I.P.

Recovery — Total Feet 15 GIP 5,060 Ft. in DC 15 Ft. in DP 0

Rec. 15 Feet Of 511 G. in %gas %oil %water 94% mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

BHT 25 °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

AK-1

Alpine

(A) Initial Hydrostatic Mud 2475 PSI Recorder No. 3289 "20:00" T-On Location 7:30 A.M.

(B) First Initial Flow Pressure 71 PSI (depth) 5073 T-Started 8:00 P.M.

(C) First Final Flow Pressure 56 PSI Recorder No. 10242 T-Open 9:30 A.M.

(D) Initial Shut-In Pressure 1739 PSI (depth) 5092 T-Pulled 1:40 A.M.

(E) Second Initial Flow Pressure 65 PSI Recorder No. T-Out 4:10 A.M.

(F) Second Final Flow Pressure 35 PSI (depth) T-Off Location

(G) Final Shut-in Pressure 1693 PSI Initial Opening 30 Test 900 ✓

(Q) Final Hydrostatic Mud 2473 PSI Initial Shut-in 60 Jars 200 ✓

Final Flow 80 Safety Joint 50 ✓

Final Shut-in 80 Straddle

Circ. Sub

Sampler

Extra Packer

Elec. Rec. 150 ✓

Mileage 85 ✓

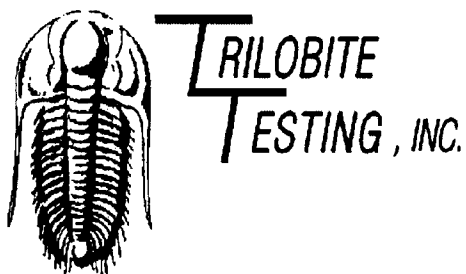
Other

TOTAL PRICE \$ 4385.00

Approved By Brad Rine

Our Representative Sammy S. Salazar

A1612000.289
 TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.



DRILL STEM TEST REPORT

Prepared For: **Daystar Pet. Inc.**

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

18-34S-19W Comanche

Ransom 18-1

Start Date: 2001.10.17 @ 20:03:06

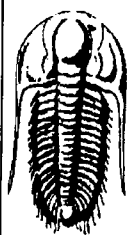
End Date: 2001.10.18 @ 04:15:21

Job Ticket #: 14946 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Pet. Inc.
1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14946

DST#: 4

Test Start: 2001.10.17 @ 20:03:06

GENERAL INFORMATION:

Formation: **Miss. Detrital**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:51

Time Test Ended: 04:15:21

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **5192.00 ft (KB) To 5215.00 ft (KB) (TVD)**

Total Depth: 5215.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1790.00 ft (KB)

1779.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289 Inside

Press@RunDepth: 35.55 psig @ 5194.00 ft (KB)

Start Date: 2001.10.17

End Date:

2001.10.18

Start Time: 20:03:11

End Time:

04:15:20

Capacity: 7000.00 psig

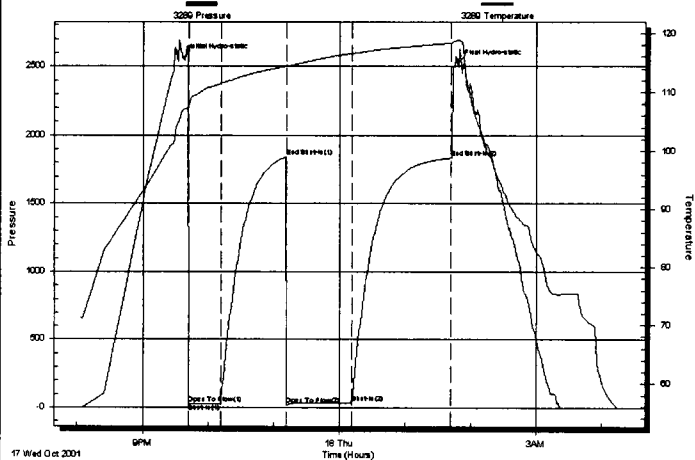
Last Calib.: 1899.12.30

Time On Btm: 2001.10.17 @ 21:36:51

Time Off Btm: 2001.10.18 @ 01:47:51

TEST COMMENT: IF: Strong OBB in 30 sec.
IS: No blow-back.
FF: Strong immed. GTS in 27 min. See flow chart.
FS: No blow-back. "Gas burned."

Pressure vs. Time



PRESSURE SUMMARY

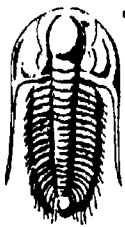
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2565.63	107.06	Initial Hydro-static
5	26.36	107.42	Open To Flow (1)
35	26.70	111.48	Shut-In(1)
95	1843.47	114.39	End Shut-In(1)
95	21.09	114.53	Open To Flow (2)
155	35.55	116.60	Shut-In(2)
246	1835.80	118.40	End Shut-In(2)
251	2522.82	118.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Sli GcM 4%G 96%M	0.15
0.00	5169 ft. GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.60	5.99
Last Gas Rate	0.13	3.50	6.70
Max. Gas Rate	0.13	3.50	6.70



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14946

DST#: 4

ATTN: Brad Rine

Test Start: 2001.10.17 @ 20:03:06

Tool Information

Drill Pipe:	Length:	5017.00 ft	Diameter:	3.80 inches	Volume:	70.38 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:	182.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:	5000.00 lb
					<u>Total Volume:</u>	<u>71.28 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:		34.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		5192.00 ft					Final	60000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		23.00 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
C.O. Sub	1.00			5166.00	
S.I. Tool	5.00			5171.00	
HMV	5.00			5176.00	
Jars	5.00			5181.00	
Safety Joint	2.00			5183.00	
Packer	4.00			5187.00	27.00 Bottom Of Top Packer
Packer	5.00			5192.00	
Stubb	1.00			5193.00	
Perforations	1.00			5194.00	
Recorder	0.00	3289	Inside	5194.00	
Perforations	19.00			5213.00	
Recorder	0.00	10242	Inside	5213.00	
Bullnose	2.00			5215.00	23.00 Bottom Packers & Anchor

Total Tool Length: 50.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Pet. Inc.
1321 W. 93rd St. No.
Valley Center Ks. 67147

Ransom 18-1

18-34S-19W Comanche

Job Ticket: 14946

DST#: 4

ATTN: Brad Rine

Test Start: 2001.10.17 @ 20:03:06

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 11.96 in³
Resistivity: ohm.m
Salinity: 6000.00 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: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Slit GcM 4%G 96%M	0.148
0.00	5169 ft. GIP	0.000

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

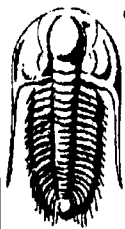
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14946

DST#: 4

ATTN: Brad Rine

Test Start: 2001.10.17 @ 20:03:06

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	30	0.13	1.60	5.99
2	40	0.13	2.30	6.25
2	50	0.13	3.00	6.51
2	60	0.13	3.50	6.70

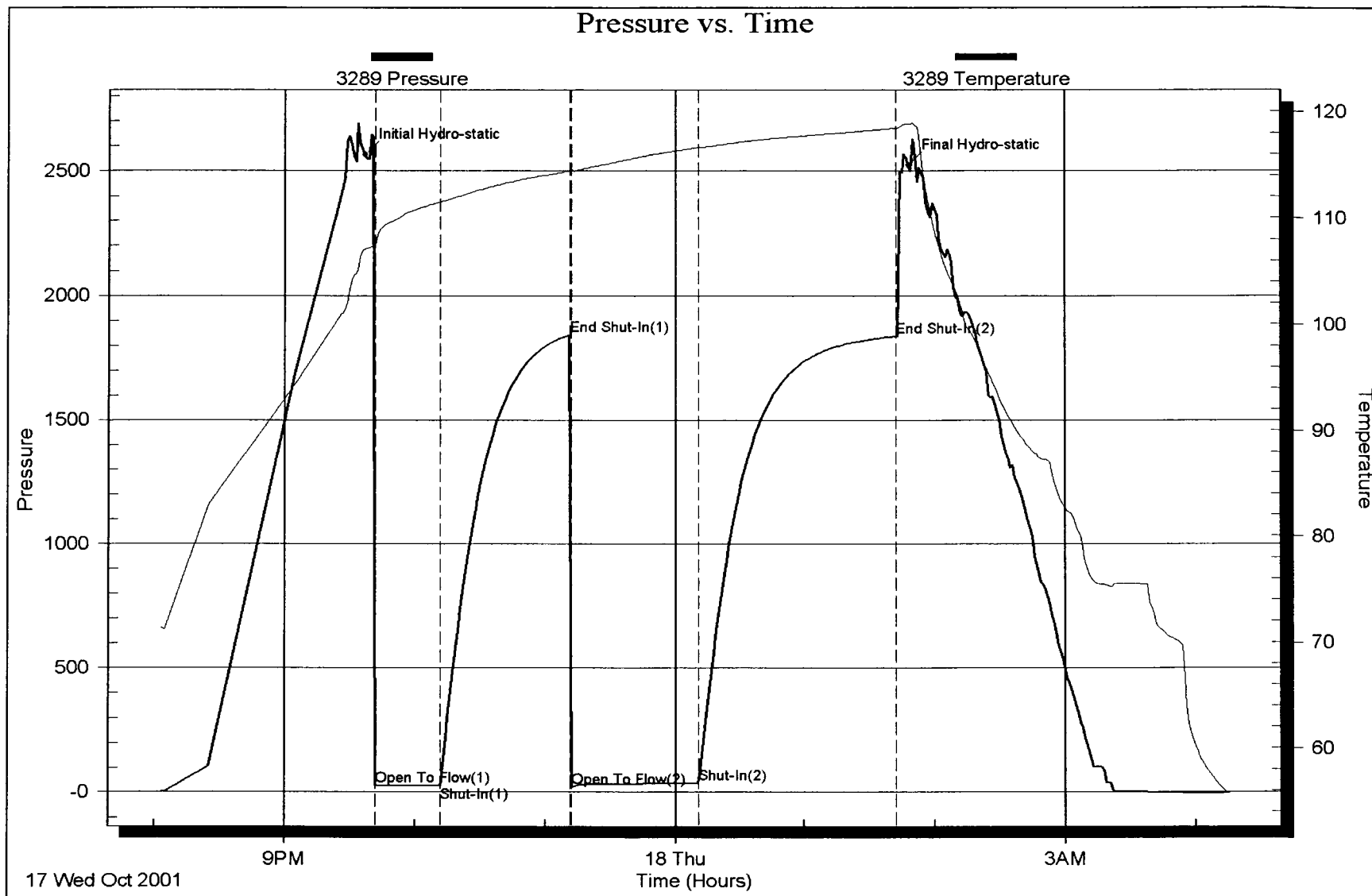
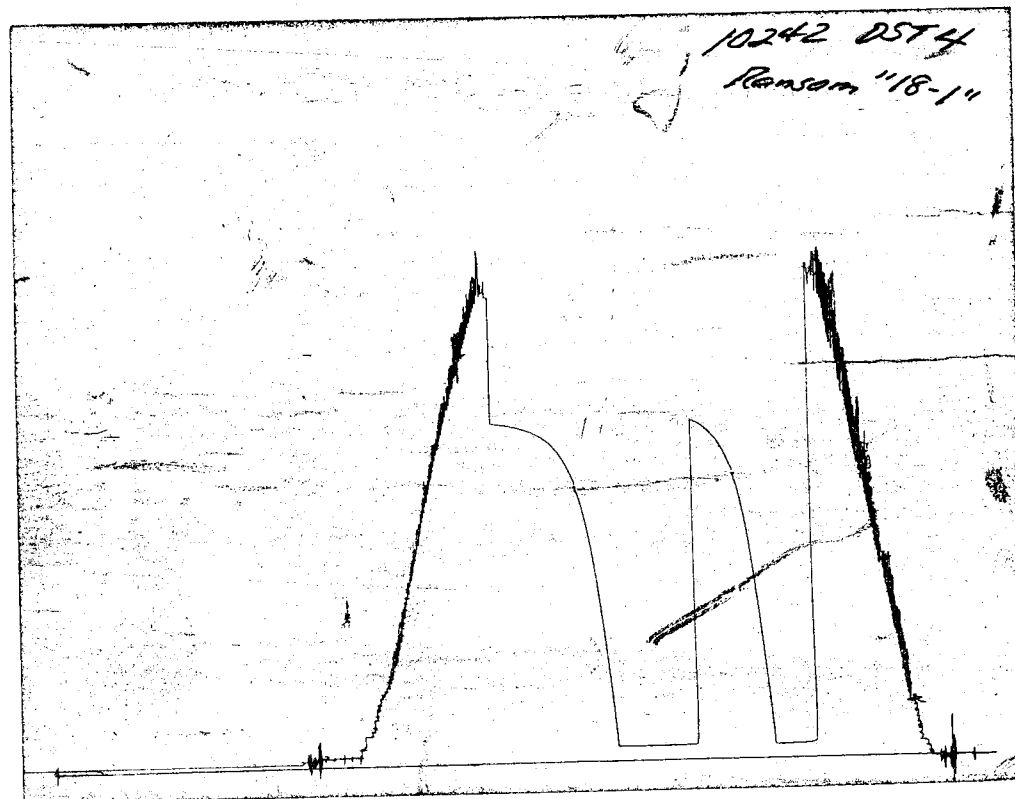


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





GAS VOLUME REPORT

Ransom "18-1"

OPERATOR

WELL NAME AND NO.

DST NO

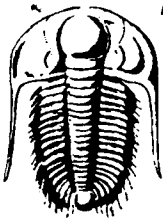
GTS 27 min. into F.F.P.

I. F. P.

F.F.P.

Remarks: Gas burned.

No sample caught.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14946

Test Ticket

Well Name & No. <u>Ransom "18-1"</u>	Test No. <u>4</u>	Date <u>10-17-01</u>
Company <u>Daystar Pet. Inc.</u>	Zone Tested <u>Miss. Detrital</u>	
Address <u>Valley Center Ks. 67147</u>	Elevation <u>1790</u>	KB <u>1779</u> GL
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Duke 5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>34S.</u> Rge. <u>19W</u>	Co. <u>Comanche</u>	State <u>Ks.</u>
No. of Copies <u>Reg.</u>	Distribution Sheet (Y, N) <u>N.</u>	Turnkey (Y, N) <u>N.</u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5192-5215</u>	Initial Str Wt./Lbs. <u>60000</u>	Unseated Str Wt./Lbs. <u>60000</u>
Anchor Length <u>23'</u> Tool = <u>27'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>5,000</u>
Top Packer Depth <u>5187</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5192</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Total Depth <u>5215</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>182</u>
Mud Wt. <u>9.3</u> LCM <u>4#</u> Vis. <u>51</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>5017 34' up</u>

Blow Description Strong OBB in 30 sec. I.F.P.
No blow-back. I.S.T.P.
Strong immud. GTS in 27 min. 5 sec flow chart. F.F.P.
No blow-back. F.S.T.P.

Recovery — Total Feet <u>30</u>	GIP <u>5169</u>	Ft. in DC <u>30</u>	Ft. in DP <u>0</u>
Rec. <u>30</u> Feet Of <u>51-600</u>	4 %gas	%oil	%water <u>96</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud

BHT 118 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 6,000 ppm System

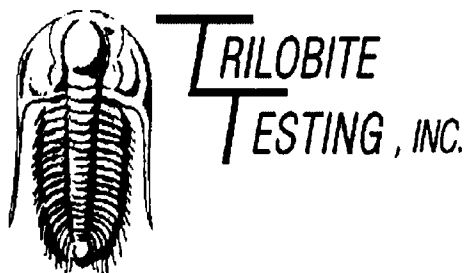
	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2565</u>	PSI	Recorder No. <u>3289 "2003"</u>	T-On Location <u>7:30 P.M.</u>
(B) First Initial Flow Pressure	<u>26</u>	PSI	(depth) <u>5194</u>	T-Started <u>8:03 P.M.</u>
(C) First Final Flow Pressure	<u>26</u>	PSI	Recorder No. <u>10242</u>	T-Open <u>9:40 P.M.</u>
(D) Initial Shut-In Pressure	<u>1843</u>	PSI	(depth) <u>5212</u>	T-Pulled <u>1:40 A.M.</u>
(E) Second Initial Flow Pressure	<u>21</u>	PSI	Recorder No. <u> </u>	T-Out <u>4:20 A.M.</u>
(F) Second Final Flow Pressure	<u>35</u>	PSI	(depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1835</u>	PSI	Initial Opening <u>30</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2522</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>200</u> ✓
			Final Flow <u>60</u>	Safety Joint <u>50</u> ✓
			Final Shut-in <u>90</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u>150</u> ✓
				Mileage <u>85</u> ✓
				Other <u> </u>

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Approved By Brad Rine

Our Representative Tammy L. Salazar

TOTAL PRICE \$ 4385.00



DRILL STEM TEST REPORT

Prepared For: **Daystar Pet. Inc.**

1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

18-34S-19W Comanche

Ransom 18-1

Start Date: 2001.10.18 @ 16:45:06

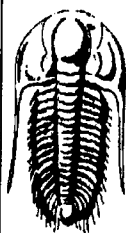
End Date: 2001.10.18 @ 23:55:06

Job Ticket #: 14947 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Pet. Inc.
1321 W. 93rd St. No.
Valley Center Ks. 67147

ATTN: Brad Rine

Ransom 18-1
18-34S-19W Comanche
Job Ticket: 14947 **DST#: 5**
Test Start: 2001.10.18 @ 16:45:06

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:15:06
Time Test Ended: 23:55:06

Interval: **5219.00 ft (KB) To 5305.00 ft (KB) (TVD)**
Total Depth: 5305.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

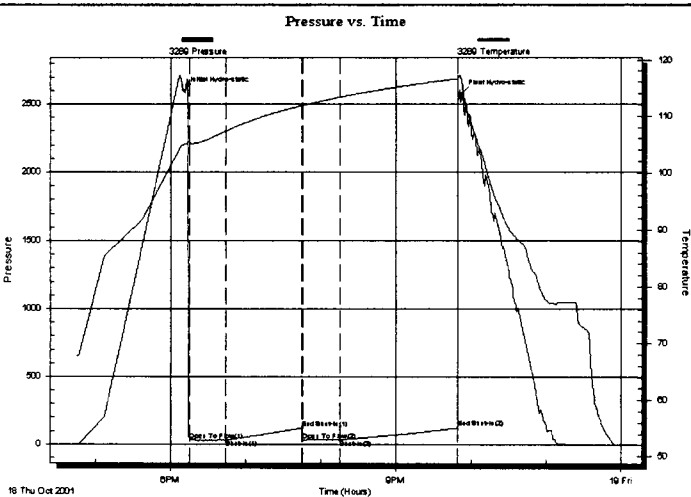
Test Type: Conventional Bottom Hole
Tester: Lanny Salaga
Unit No: 14

Reference Elevations: 1790.00 ft (KB)
1779.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 3289 Inside
Press@RunDepth: 32.73 psig @ 5221.00 ft (KB)
Start Date: 2001.10.18 End Date: 2001.10.18
Start Time: 16:45:11 End Time: 23:55:05

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2001.10.18 @ 18:10:36
Time Off Btm: 2001.10.18 @ 21:52:21

TEST COMMENT: IF: Surface blow built to 1 1/2". Stabilized. FF: 1/4" blow died in 22 min.



PRESSURE SUMMARY

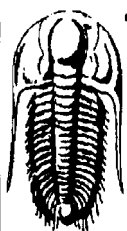
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2601.40	104.99	Initial Hydro-static
5	30.06	105.12	Open To Flow (1)
34	31.13	107.37	Shut-In(1)
95	122.07	111.86	End Shut-In(1)
95	29.60	111.90	Open To Flow (2)
125	32.73	113.36	Shut-In(2)
219	123.81	116.63	End Shut-In(2)
222	2575.37	116.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14947

DST#: 5

ATTN: Brad Rine

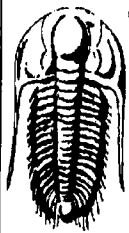
Test Start: 2001.10.18 @ 16:45:06

Tool Information

Drill Pipe:	Length: 5015.00 ft	Diameter: 3.80 inches	Volume: 70.35 bbl	Tool Weight: 2800.00 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 20000.00 lb
			<u>Total Volume: 71.25 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5219.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	113.00 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			5193.00	
S.I. Tool	5.00			5198.00	
HMV	5.00			5203.00	
Jars	5.00			5208.00	
Safety Joint	2.00			5210.00	
Packer	4.00			5214.00	27.00 Bottom Of Top Packer
Packer	5.00			5219.00	
Stubb	1.00			5220.00	
Perforations	1.00			5221.00	
Recorder	0.00	3289	Inside	5221.00	
Perforations	17.00			5238.00	
C.O. Sub	1.00			5239.00	
Blank Spacing	63.00			5302.00	
Recorder	0.00	10242	Inside	5302.00	
C.O. Sub	1.00			5303.00	
Bullnose	2.00			5305.00	86.00 Bottom Packers & Anchor
Total Tool Length:		113.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Pet. Inc.

Ransom 18-1

1321 W. 93rd St. No.
Valley Center Ks. 67147

18-34S-19W Comanche

Job Ticket: 14947

DST#: 5

ATTN: Brad Rine

Test Start: 2001.10.18 @ 16:45:06

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%M	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

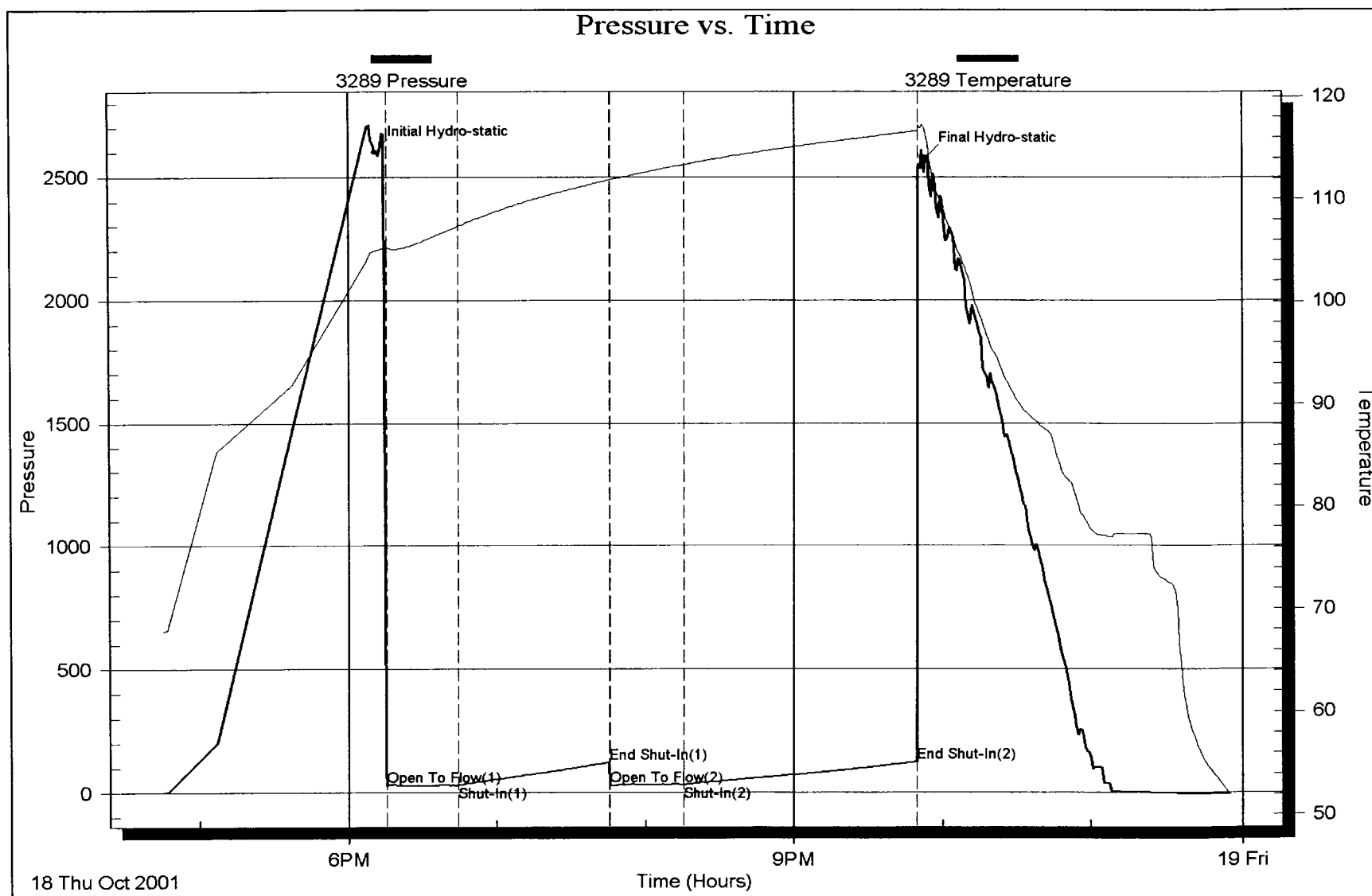
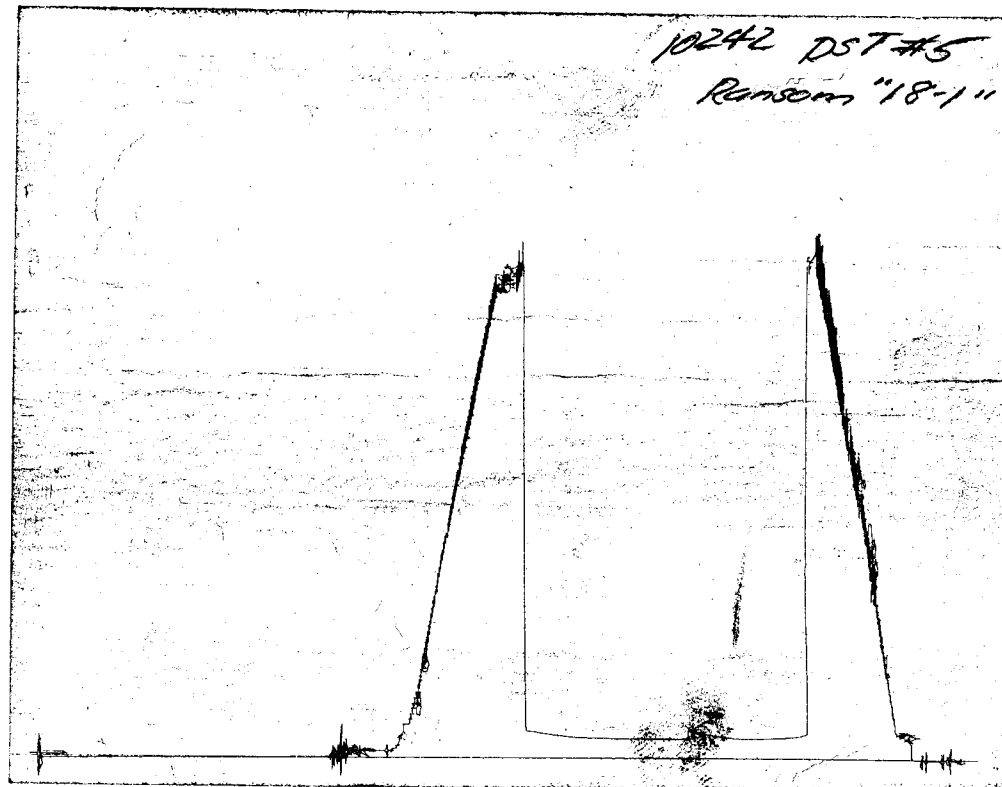
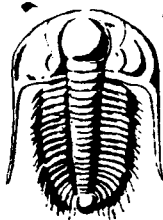


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14947

Test Ticket

Well Name & No. <u>Ransom "18-1"</u>	Test No. <u>5</u>	Date <u>10-18-01</u>
Company <u>Daystar Pet. Inc.</u>	Zone Tested <u>Miss.</u>	
Address <u>Valley Center KS 67147</u>	Elevation <u>1790</u>	KB <u>1779</u> GL
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Date 5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>34S</u> Rge. <u>19W</u>	Co. <u>Comanche</u>	State <u>KS</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5219-5305</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>86'</u> <u>Tail=27</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>20,000</u>
Top Packer Depth <u>5214</u>	Tool Weight <u>2,800</u>	
Bottom Packer Depth <u>5219</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Total Depth <u>5305</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>182</u>
Mud Wt. <u>9.3</u> LCM <u>4#</u> Vis. <u>59</u> WL <u>11.4</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>5015</u> <u>5' up</u>
Blow Description <u>Surface blow built to 1 1/2". Stabilized. I.F.P.</u>		

1/4" blow. Died in 22 min. F.F.P.

Recovery — Total Feet <u>20</u>	GIP <u>0</u>	Ft. in DC <u>20</u>	Ft. in DP <u>0</u>
Rec. <u>20</u> Feet Of <u>Mud</u>	%gas <u> </u> %oil <u> </u> %water <u>100</u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>116</u> °F Gravity <u> </u> °API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>		
RW <u> </u> @ <u> </u> °F Chlorides <u> </u> ppm Recovery	Chlorides <u>6,000</u> ppm System		

(A) Initial Hydrostatic Mud	AK-1 <u>2601</u> Alpine	PSI Recorder No. <u>3289 "16-45"</u>	T-On Location <u>3:30 P.M.</u>
(B) First Initial Flow Pressure	<u>30</u> PSI	(depth) <u>5221</u>	T-Started <u>4:45 P.M.</u>
(C) First Final Flow Pressure	<u>31</u> PSI	Recorder No. <u>10242</u>	T-Open <u>6:15 P.M.</u>
(D) Initial Shut-In Pressure	<u>122</u> PSI	(depth) <u>5302</u>	T-Pulled <u>9:45 P.M.</u>
(E) Second Initial Flow Pressure	<u>29</u> PSI	Recorder No. <u> </u>	T-Out <u>12:00 A.M.</u>
(F) Second Final Flow Pressure	<u>32</u> PSI	(depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>123</u> PSI	Initial Opening <u>30</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2575</u> PSI	Initial Shut-in <u>60</u>	Jars <u>200</u> ✓
		Final Flow <u>30</u>	Safety Joint <u>50</u> ✓
		Final Shut-in <u>90</u>	Straddle <u> </u>
			Circ. Sub <u> </u>
			Sampler <u> </u>
			Extra Packer <u> </u>
			Elec. Rec. <u>150</u> ✓
			Mileage <u>85</u> ✓
			Other <u> </u>

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Approved By Brad Rine

Our Representative Yummy S. Salazar

TOTAL PRICE \$ 4,385.00