

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30931  
Name: Daystar Petroleum, Inc.  
Address: 1321 W. 93rd N.  
City/State/Zip: Valley Center, Kansas 67147  
Purchaser: N/A  
Operator Contact Person: Charles Schmidt  
Phone: (316) 755-3523  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: Tim Pierce

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

09-26-00 10-20-00  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 033-21145 0000  
County: Comanche County, Kansas  
SW NE NW Sec. 17 Twp. 34 S. R. 19  East  West  
1100 feet from S  (circle one) Line of Section  
1700 feet from E  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  SE  (NW) SW  
Lease Name: Hackney "C" Well #: 1-17

Field Name: Lemon Ranch SE  
Producing Formation: None

Elevation: Ground: 1798' Kelly Bushing: 1809'  
Total Depth: 6543' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 644 Feet  
Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet  
If alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan D&A 9th 7/10/01  
(Data must be collected from the Reserve Pit)  
Chloride content 15,000 ppm Fluid volume 160 bbls  
Dewatering method used Haul free water/ air dry  
Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: KBW Oil & Gas  
Lease Name: Harman License No.: 5993  
Quarter NW Sec. 17 Twp. 33 S. R. 19  East  West  
County: Comanche Docket No.: CD-98,329

FEB 15 2001  
CONSERVATION DIVISION  
WICHITA, KANSAS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Charles Schmidt  
Title: President Date: 2/08/01

Subscribed and sworn to before me this 9th day of February, 19 01.

Notary Public: Marsha Breitenstein

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

KCC

Notary Public - State of Kansas  
**MARSHA BREITENSTEIN**  
My Appointment Expires 2-15-03

Operator Name: **Daystar Petroleum, Inc.** Lease Name: **Hackney "C"** Well #: **1-17**  
 Sec. **17** Twp. **34** S., R. **19**  East  West County: **Comanche County, Kansas**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run: **Neutron - Density**  
**Dual Induction**  
**Mirolog**  
**Sonic Log**

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	4221	-2415
Lansing	4418	-2609
Marmaton	4964	-3155
Miss (Detrital)	5214	-3405
Mississippi	5236	-3427
Viola	6106	-4297
Simpson Sand	6372	-4563
T.D.	6167	-4358

CASING RECORD  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacs Used	Type and Percent Additives
Conductor		20"		40'			
Surface	12-1/4"	8-5/8"	24#	644'	ALW Class A	225 100	3%cc #1 floeal 3%cc 2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
<b>D &amp; A</b>	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

# ALLIED CEMENTING CO., INC.

4051

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: **ORIGINAL**  
4/10/10090

DATE <u>10-22-09</u>	SEC <u>17</u>	TWP <u>34</u>	RANGE <u>17</u>	CALLED OUT <u>1:30 PM</u>	ON LOCATION <u>10:00 PM</u>	JOB START <u>6:45 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>Hickory</u>		WELL # <u>147</u>	LOCATION <u>M-4 121 7 S 23 E</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Duke #1  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 6543  
 CASING SIZE 8 5/8 DEPTH 677  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 850'  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT Fresh H<sub>2</sub>O

OWNER Day Star Petroleum  
 CEMENT  
 AMOUNT ORDERED 125 3X 60.40d/1%  
gel

EQUIPMENT  
 PUMP TRUCK CEMENTER Justin Hart  
 # 352 HELPER Kevin Brungardt  
 BULK TRUCK  
 # 222 DRIVER Troy (Ness City)  
 BULK TRUCK  
 # DRIVER

COMMON	<u>75</u>	@ <u>6.35</u>	<u>476.25</u>
POZMIX	<u>50</u>	@ <u>3.25</u>	<u>162.50</u>
GEL	<u>7</u>	@ <u>9.50</u>	<u>66.50</u>
CHLORIDE		@	
		@	
		@	
		@	
		@	
HANDLING	<u>132</u>	@ <u>1.05</u>	<u>138.60</u>
MILEAGE	<u>132 x 55</u>	@ <u>.04</u>	<u>290.40</u>
TOTAL			<u>1134.25</u>

REMARKS:

SERVICE

1st plug 850' 40SX  
2nd plug 670' 50SX  
3rd plug 70' 10SX  
mouse 10SX  
Rat 15SX

DEPTH OF JOB 850'  
 PUMP TRUCK CHARGE 470.00  
 EXTRA FOOTAGE @  
 MILEAGE 65 @ 3.00 165.00  
 PLUG wooden 898 @ 23.00 23.00  
 @  
 @  
 TOTAL 658.00

CHARGE TO: Day Star Petroleum, Inc.  
 STREET 1321 W. 93RD STREET NORTH  
 CITY Valley Center State Kansas ZIP 67147

FLOAT EQUIPMENT

@  
 @  
 @  
 @  
 @

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL  
 TAX  
 TOTAL CHARGE 1559.75  
 DISCOUNT 155.98 IF PAID IN 30 DAYS  
1403.77

SIGNATURE Mike Godfrey

PRINTED NAME Mike Godfrey

# ALLIED CEMENTING CO., INC. 4077

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT med. lodge

ORIGINAL

DATE <u>9-26-00</u>	SEC. <u>17</u>	TWP. <u>34S</u>	RANGE <u>19W</u>	CALLED OUT <u>10:30P.m.</u>	ON LOCATION <u>12:30P.m.</u>	JOB START <u>5:00A.m.</u>	JOB FINISH <u>6:15A.m.</u>
LEASE <u>Hackney</u>		WELL # <u>C-1-17</u>	LOCATION <u>Coldwater, 5s to Jet. Tw-</u>		COUNTY <u>Comanche</u>	STATE <u>Ks.</u>	
OLD OR <u>(NEW)</u> (Circle one)			<u>3E-5/8</u>				

CONTRACTOR Duke Drlg #1  
 TYPE OF JOB Surface Csg  
 HOLE SIZE 12 1/4 T.D. 644'  
 CASING SIZE 8 5/8 x 24 DEPTH 643'  
 TUBING SIZE DEPTH 643'  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 300 MINIMUM 150  
 MEAS. LINE SHOE JOINT 44.86  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT Fresh H<sub>2</sub>O

EQUIPMENT  
 PUMP TRUCK CEMENTER Larry Dreiling  
 # 302 HELPER David West  
 BULK TRUCK  
 # 259 DRIVER DAVID Feilo  
 BULK TRUCK  
 # DRIVER

OWNER Daystar Petroleum  
 CEMENT  
 AMOUNT ORDERED 2255x ALW + 3%CC  
1/4" FLO-SEAL 1003x CLASS A + 3%CC  
2% Gel  
 COMMON A 100 @ 6.35 635.00  
 POZMIX @  
 GEL 2 @ 9.50 19.00  
 CHLORIDE 11 @ 28.00 308.00  
ALW 225 @ 6.00 1350.00  
FLO-SEAL 56# @ 1.15 64.40  
 @  
 @  
 @  
 @  
 HANDLING 350 @ 1.05 367.50  
 MILEAGE 350 x 55 @ .04 170.00  
 TOTAL 3513.90

REMARKS:  
Pipe on Bottom - Break Circ.  
Pump 2255x ALW + 3%CC + 1/4"  
Flo-Seal Pump 100 sx CLASS A + 3%CC  
2% Gel. Release Pump Displace  
Plow w/ 38 Bbls. Fresh H<sub>2</sub>O. Bump  
Pump. Shott In. Cement Did Circ

SERVICE  
 DEPTH OF JOB 643'  
 PUMP TRUCK CHARGE 0.301 470.00  
 EXTRA FOOTAGE 343' @ .43 147.49  
 MILEAGE 55 @ 3.00 165.00  
 PLUG TRP- 858 @ 90.00 90.00  
 @  
 @  
 TOTAL 872.49

CHARGE TO: Daystar Petroleum  
 STREET 1321 W- 93RD STREET NORTH  
 CITY VALLEY CENTER STATE KANSAS ZIP 67147

FLOAT EQUIPMENT  
 1-Baffle Plate @ 45.00 45.00  
 1-Basket @ 180.00 180.00  
 2-Centralizers @ 55.00 110.00  
 @  
 @  
 TOTAL 335.00

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX  
 TOTAL CHARGE 4721.39  
 DISCOUNT 472.14 IF PAID IN 30 DAYS  
4249.25  
 x ALLAN Walker  
 PRINTED NAME

SIGNATURE x ALL Walker

ORIGINAL

**WELL NAME**

Hackney "C" #1-17

**COMPANY**

Daystar Petroleum Inc.

**LOCATION**

17-34s-19w

Comanche co Kansas

**DATE**

10/16/00 RECEIVED

STATE CORPORATION COMMISSION

FEB 13 2001

CONSERVATION DIVISION

1200 N. VETERAN

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Daystar Petroleum, Inc. DATE 10/04/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13236 DST #1  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Swope  
 INTERVAL : 4821.00 To 4835.00 ft TD 4835.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13805	13805	2350			PF Fr. 2350 to 0020 hr
SI 60 Range(Psi )	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0020 to 0120 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0120 to 0220 hr
FS 120 Depth(ft )	4832.0	4832.0	4827.0	0.0	0.0	FS Fr. 0220 to 0420 hr

	Field	1	2	3	4	
A. Init Hydro	2517.0	2514.0	2293.0	0.0	0.0	T STARTED 1921 hr
B. First Flow	75.0	86.0	21.0	0.0	0.0	T ON BOTM 2347 hr
B1. Final Flow	86.0	80.0	27.0	0.0	0.0	T OPEN 2350 hr
C. In Shut-in	794.0	790.0	749.0	0.0	0.0	T PULLED 0420 hr
D. Init Flow	108.0	122.0	23.0	0.0	0.0	T OUT 0630 hr
E. Final Flow	108.0	91.0	33.0	0.0	0.0	
F. Fl Shut-in	953.0	945.0	885.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2539.0	2547.0	2319.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 42000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4799.00 ft

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP  
 1255.00 ft of Gas in pipe  
 45.00 ft of Oil & gas cut muddy water  
 0.00 ft of 25% gas 8% oil 12% water 55% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.40 lb/c  
 Vis. 45.00 S/L  
 W.L. 10.40 in3  
 F.C. 0.32 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 120.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren L.Amerine  
 Co. Rep. Tim Pirce  
 Contr. Duke  
 Rig # 1  
 Unit # none  
 Pump T. none

BLOW DESCRIPTION

Initial Flow:  
 Fair blow bottom of bucket in 60 seconds.  
 Initial Shut-In:  
 Bled down for 5 minutes. No blow back.  
 Final Flow:  
 Strong blow bottom of bucket in 15 seconds.  
 Final Shut-In:  
 Bled down for 5 minutes. No blow back

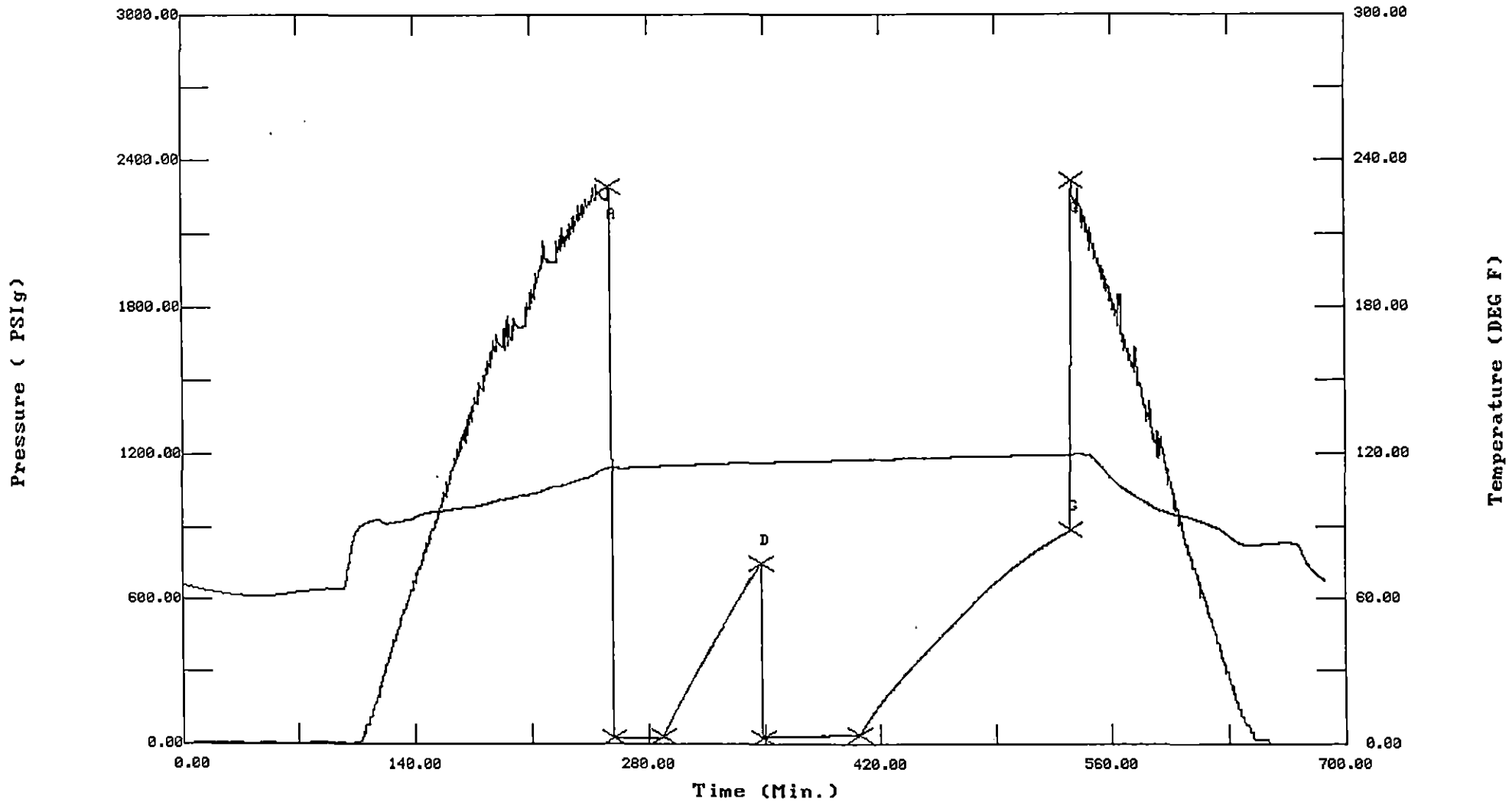
SAMPLES:  
 SENT TO:

Test Successful: Y

# TEST HISTORY

Tk#13236 DST#1 Hackney"C"#1-17 Daystar Petroleum, Inc.

	Flag Points	
	t(Min.)	P( PSig)
A:	0.00	2293.24
B:	0.00	21.31
C:	29.67	26.60
D:	59.67	749.05
E:	0.00	22.57
F:	58.00	32.56
G:	128.33	884.93
Q:	0.00	2318.75



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13236

## Test Ticket

Well Name & No. Hackney C #1-17 Test No. #1 Date 10/4/00  
 Company Daystar Petroleum, Inc Zone Tested Swope  
 Address 1321 W. 95th N. Valley Center, KS 67147 Elevation 1809 KB 1798 GL  
 Co. Rep/Geo. Tim Pierce Cont. Duke #1 Est. Ft. of Pay      Por.      %  
 Location: Sec. 17 Twp. 34<sup>s</sup> Rge. 19<sup>w</sup> Co. Comanche State KS  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4821' - 4835' Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
 Anchor Length 14' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth 4816' Tool Weight 2100  
 Bottom Packer Depth 4821' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4835' Wt. Pipe Run N/A Drill Collar Run N/A  
 Mud Wt. 9.4 LCM 2<sup>nd</sup> Vis. 45 WL 10.4 Drill Pipe Size 4 1/2 KH Ft. Run 4799'

Blow Description IF: Fair blow b.o.b in 60 sec.  
IST: Bled down for 5 mins. No blow back.  
FF: Strong blow b.o.b in 15 sec.  
FSE: Bled down for 5 mins.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>45</u>	<u>1255'</u>	<u>N/A</u>	<u>45</u>
Rec. <u>45</u> Feet Of <u>OGC MW</u>		<u>25% gas</u> <u>8% oil</u> <u>12% water</u> <u>55% mud</u>	
Rec. <u>1255'</u> Feet Of <u>Gas In pipe</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	
Rec. <u>    </u> Feet Of <u>    </u>		% gas % oil % water % mud	

BHT 120° °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2517</u>	<u>2293</u>		<u>2350</u>	<u>1830</u> :36
(B) First Initial Flow Pressure	<u>75</u>	<u>21</u>	PSI	(depth) <u>4827'</u>	T-Started <u>1921</u>
(C) First Final Flow Pressure	<u>86</u>	<u>27</u>	PSI	Recorder No. <u>13805</u>	T-Open <u>2350</u>
(D) Initial Shut-In Pressure	<u>794</u>	<u>749</u>	PSI	(depth) <u>4832'</u>	T-Pulled <u>0420</u>
(E) Second Initial Flow Pressure	<u>108</u>	<u>23</u>	PSI	Recorder No. <u>    </u>	T-Out <u>0630</u>
(F) Second Final Flow Pressure	<u>108</u>	<u>33</u>	PSI	(depth) <u>    </u>	T-Off Location <u>0800</u>
(G) Final Shut-in Pressure	<u>953</u>	<u>895</u>	PSI	Initial Opening <u>30</u>	Test <u>✓ 750</u>
(Q) Final Hydrostatic Mud	<u>2539</u>	<u>2319</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>120</u>	Straddle <u>    </u>
					Circ. Sub <u>    </u>
					Sampler <u>    </u>
					Extra Packer <u>    </u>
					Elec. Rec. <u>✓ 150</u>
					Mileage <u>85 mi '85</u>
					Other <u>3 hrs 90</u>
					TOTAL PRICE \$ <u>1325</u>

TRILOBITE TESTING L.L.C. 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 Tim Pierce  
 Our Representative Darren J. Curran

11:09  
11:54



TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc. DATE 10/06/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13237 DST #2  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Marmaton/Altamont  
 INTERVAL : 5015.00 To 5033.00 ft TD 5033.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	13805	13805	2350		PF Fr. 0553 to 0623 hr
SI	60	Range(Psi )	4250.0	4250.0	4995.0	0.0	0.0 IS Fr. 0623 to 0723 hr
SF	30	Clock(hrs)	12hr.	12hr.	elec.		SF Fr. 0723 to 0753 hr
FS	60	Depth(ft )	5030.0	5030.0	5021.0	0.0	0.0 FS Fr. 0753 to 0853 hr

	Field	1	2	3	4	
A. Init Hydro	2421.0	2404.0	2255.0	0.0	0.0	T STARTED 0259 hr
B. First Flow	75.0	86.0	20.0	0.0	0.0	T ON BOTM 0550 hr
B1. Final Flow	75.0	86.0	22.0	0.0	0.0	T OPEN 0553 hr
C. In Shut-in	1200.0	1196.0	1159.0	0.0	0.0	T PULLED 0853 hr
D. Init Flow	86.0	101.0	20.0	0.0	0.0	T OUT 1100 hr
E. Final Flow	86.0	101.0	31.0	0.0	0.0	
F. Fl Shut-in	1071.0	1054.0	1009.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2442.0	2430.0	2246.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5016.00 ft

RECOVERY

Tot Fluid 25.00 ft of 25.00 ft in DC and 0.00 ft in DP  
 120.00 ft of Gas in pipe  
 25.00 ft of Slightly gas & water cut mud  
 0.00 ft of 4% gas 8% water 88% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c:
Vis.	44.00 S/L
W.L.	12.00 in3
F.C.	0.32 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:  
 Weak surface blow built to 3" in H2O bucket.

Initial Shut-In:  
 Bled down for 5 minutes. No blow back

Final Flow:  
 Fair blow built to 2-1/2" in H2O.

Final Shut-In:  
 Bled down for 5 minutes. No blow back

Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L. Amerine
Co. Rep.	Tim Pierce
Contr.	Duke
Rig #	1
Unit #	none
Pump T.	none

SAMPLES:  
 SENT TO:

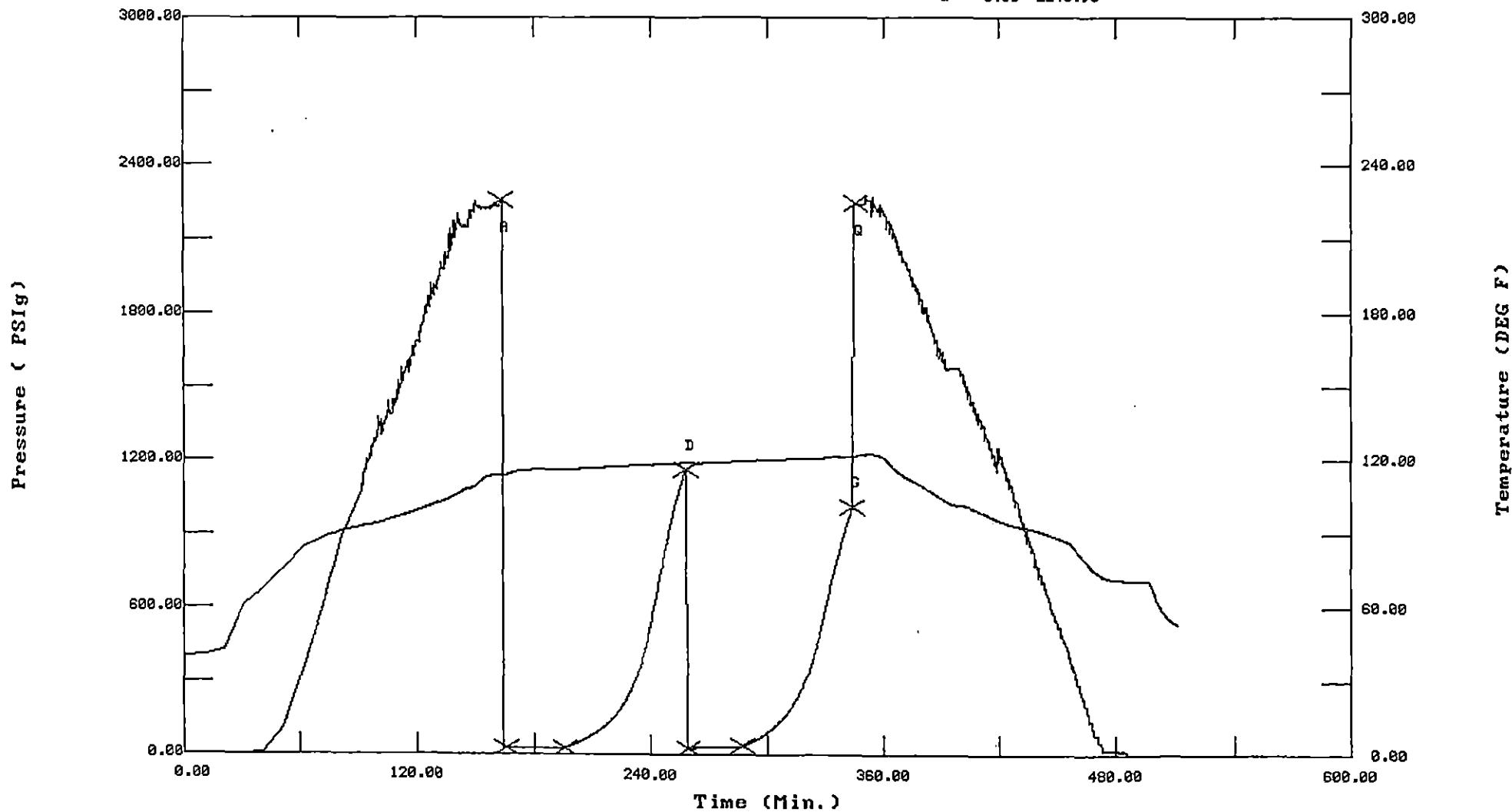
Test Successful: Y

# TEST HISTORY

Tk#13237 DST#2 Hackney 'C' #1-17 Daystar Petroleum, Inc.

Flag Points  
t (Min.) P (PSig)

A:	0.00	2255.30
B:	0.00	19.63
C:	30.33	22.23
D:	63.00	1159.12
E:	0.00	20.97
F:	27.67	30.79
G:	56.67	1009.31
Q:	0.00	2245.90



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13237

## Test Ticket

Well Name & No. <u>Hackney "C" #1-17</u>	Test No. <u>#2</u>	Date <u>10/06/00</u>
Company <u>Daystar Petroleum, Inc. 1321 W.</u>	Zone Tested <u>Marmaton/Altamont</u>	
Address <u>93rd N. Valley Center, Ks</u>	Elevation <u>1809</u>	KB <u>0798</u> GL
Co. Rep / Geo. <u>Tim Pierce</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>17</u> Twp. <u>34S</u> Rge. <u>19W</u>	Co. <u>Comanche</u>	State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>5015' - 5033'</u>	Initial Str Wt./Lbs. <u>44,000</u>	Unseated Str Wt./Lbs. <u>44,000</u>
Anchor Length <u>18'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>5010</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5015</u>	Hole Size — 7 7/8" <u>L</u>	Rubber Size — 6 3/4" <u>L</u>
Total Depth <u>5033</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.7</u> LCM <u>3#</u> Vis. <u>44</u> WL <u>120</u>	Drill Pipe Size <u>4 1/2 RH</u>	Ft. Run <u>5016</u>

Blow Description IF: Weak surface blow built to 3" in #120 bucket.  
FST: Bled down for 5 mins. No blow back  
FF: Fair blow built to 2 1/2" in #120 bucket.  
FST: Bled down for 5 mins.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>25</u> Feet Of <u>56 1/2 WCM 4</u>	<u>120</u>	%gas <u>    </u> %oil <u>    </u>	%water <u>88</u> %mud <u>    </u>
Rec. <u>120</u> Feet Of <u>GTP</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 122° °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery Chlorides 0,000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2421</u>	<u>2255</u>	<u>2350</u>	<u>0130</u>
(B) First Initial Flow Pressure	<u>75</u>	<u>20</u>	(depth) <u>5021'</u>	T-Started <u>0259</u>
(C) First Final Flow Pressure	<u>75</u>	<u>22</u>	PSI Recorder No. <u>13805</u>	T-Open <u>0553</u>
(D) Initial Shut-In Pressure	<u>1200</u>	<u>1159</u>	(depth) <u>5030'</u>	T-Pulled <u>0853</u>
(E) Second Initial Flow Pressure	<u>86</u>	<u>20</u>	PSI Recorder No. <u>    </u>	T-Out <u>1100</u>
(F) Second Final Flow Pressure	<u>86</u>	<u>31</u>	(depth) <u>    </u>	T-Off Location <u>1145</u>
(G) Final Shut-in Pressure	<u>1071</u>	<u>1009</u>	PSI Initial Opening <u>30</u>	Test <u>✓ 850</u>
(Q) Final Hydrostatic Mud	<u>2442</u>	<u>2246</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>60</u>	Straddle <u>    </u>
				Circ. Sub <u>    </u>
				Sampler <u>    </u>
				Extra Packer <u>    </u>
				Elec. Rec. <u>✓ 150</u>
				Mileage <u>85 m. 85</u>
				Other <u>    </u>

TRILOBITE TESTING L.L.C. 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 Tim Pierce  
 Our Representative Darwin S. Carneiro

TOTAL PRICE \$ 1335

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc. DATE 10/07/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13238 DST #3  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Pawnee  
 INTERVAL : 5043.00 To 5075.00 ft TD 5075.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 0323 to 0353 hr
SI 60 Range (Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 0353 to 0453 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0453 to 0553 hr
FS 120 Depth (ft )	5072.0	5072.0	5049.0	0.0	0.0	FS Fr. 0553 to 0753 hr

	Field	1	2	3	4	
A. Init Hydro	2429.0	2415.0	2276.0	0.0	0.0	T STARTED 0018 hr
B. First Flow	96.0	94.0	17.0	0.0	0.0	T ON BOTM 0320 hr
Bi. Final Flow	85.0	69.0	19.0	0.0	0.0	T OPEN 0323 hr
C. In Shut-in	1787.0	1786.0	1706.0	0.0	0.0	T PULLED 0753 hr
D. Init Flow	106.0	106.0	71.0	0.0	0.0	T OUT 1030 hr
E. Final Flow	75.0	63.0	61.0	0.0	0.0	
F. Fl Shut-in	1787.0	1783.0	1705.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2429.0	2415.0	2275.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 46000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5047.00 ft

RECOVERY

Tot Fluid 110.00 ft of 110.00 ft in DC and 0.00 ft in DP  
 90.00 ft of Gas in pipe  
 110.00 ft of Slightly gas & water cut mud  
 0.00 ft of 6% gas 54% water 40% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair blow built to 6 1/2" in H2O.  
 Initial Shut-In:  
 Bled down for 3 minutes. No blow back

Final Flow:

Weak surface blow built to H2O.  
 Final Shut-In:  
 Bled down for 2 minutes. No blow back

SAMPLES:

SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.10 lb/c:  
 Vis. 45.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.32 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 120.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren L. Amerine  
 Co. Rep. Tim Pierce  
 Contr. Duke  
 Rig # 1  
 Unit # none  
 Pump T. none

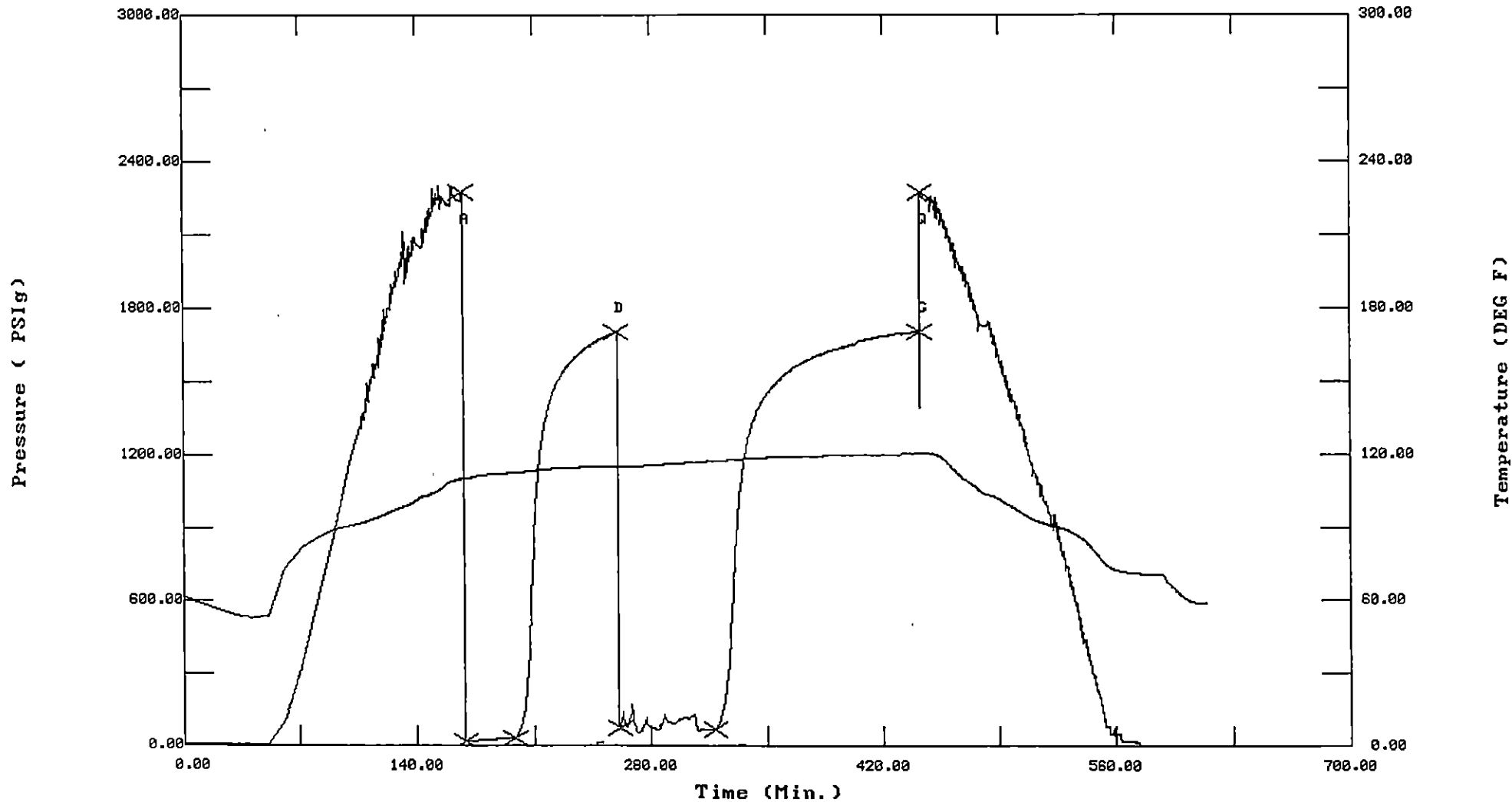
Test Successful: Y

# TEST HISTORY

Tk#13238 DST#3 Hackney"C"#1-17 Daystar Petroleum Inc.

Flag Points  
t(Min.) P(PSig)

R:	0.00	2276.45
B:	0.00	17.11
C:	30.00	29.28
D:	61.33	1706.24
E:	0.00	70.83
F:	57.67	60.84
G:	122.67	1705.40
Q:	0.00	2275.19



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13238

## Test Ticket

Well Name & No. <u>Hackney "C" #1-17</u>	Test No. <u>3</u>	Date <u>10/07/00</u>
Company <u>Daystar Pet, Inc. 1521 W. 93<sup>rd</sup></u>	Zone Tested <u>Pawnee</u>	
Address <u>N. Valley Center Ks. 67147</u>	Elevation <u>1809</u> KB <u>1798</u> GL	
Co. Rep / Geo. <u>Tim Pierce</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>17</u> Twp. <u>34<sup>s</sup></u> Rge. <u>19<sup>w</sup></u>	Co. <u>Comanche</u> State <u>KS</u>	
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>5043 - 5075</u>	Initial Str Wt./Lbs. <u>46000</u>	Unseated Str Wt./Lbs. <u>46000</u>
Anchor Length <u>32'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>65000</u>
Top Packer Depth <u>5038'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5043'</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth <u>5075</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.1</u> LCM <u>    </u> Vis. <u>45</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>5047'</u>
Blow Description <u>FF! Fair blow built to 6 1/2" in H2O.</u>		
<u>TST! Bled down for 3 mins, No blow back</u>		
<u>FF! Weak surfact blow built to 1 1/2" in H2O.</u>		
<u>FST! Bled down for 2 mins.</u>		

Recovery — Total Feet <u>110'</u>	GIP <u>90'</u>	Ft. in DC <u>    </u>	Ft. in DP <u>    </u>
Rec. <u>110'</u> Feet Of <u>56 WCM</u>	<u>6</u> %gas	<u>    </u> %oil	<u>54</u> %water <u>40</u> %mud
Rec. <u>90'</u> Feet Of <u>GTP</u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water <u>    </u> %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water <u>    </u> %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water <u>    </u> %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water <u>    </u> %mud
BHT <u>120°</u> °F Gravity <u>    </u>	°API D@ <u>    </u>	°F Corrected Gravity <u>    </u>	°API <u>    </u>
RW <u>3</u> @ <u>55</u> °F Chlorides <u>35,000</u> ppm	Recovery Chlorides <u>6000</u> ppm	System Chlorides <u>    </u> ppm	

(A) Initial Hydrostatic Mud	AK-1 <u>2429</u>	Alpine <u>2276</u>	PSI Recorder No. <u>2350</u>	T-On Location <u>2330</u>
(B) First Initial Flow Pressure	<u>96</u>	<u>19</u>	PSI (depth) <u>5049</u>	T-Started <u>10:00:18</u>
(C) First Final Flow Pressure	<u>85</u>	<u>29</u>	PSI Recorder No. <u>10991</u>	T-Open <u>0323</u>
(D) Initial Shut-In Pressure	<u>1787</u>	<u>1706</u>	PSI (depth) <u>5072'</u>	T-Pulled <u>8753</u>
(E) Second Initial Flow Pressure	<u>106</u>	<u>71</u>	PSI Recorder No. <u>    </u>	T-Out <u>1030</u>
(F) Second Final Flow Pressure	<u>75</u>	<u>61</u>	PSI (depth) <u>    </u>	T-Off Location <u>1130</u>
(G) Final Shut-in Pressure	<u>1787</u>	<u>1705</u>	PSI Initial Opening <u>30</u>	Test <u>✓ 850</u>
(Q) Final Hydrostatic Mud	<u>2429</u>	<u>2275</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>120</u>	Straddle <u>    </u>
				Circ. Sub <u>    </u>
				Sampler <u>    </u>
				Extra Packer <u>    </u>
				Elec. Rec. <u>✓ 150</u>
				Mileage <u>85 m. 85</u>
				Other <u>1 hr 30</u>
				TOTAL PRICE \$ <u>1365</u>

TRILOBITE TESTING L.L.C. 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 Tim Pierce  
 Our Representative Darren Johnson

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc. DATE 10/10/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13239 DST #4  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Ft.Scott  
 INTERVAL : 5085.00 To 5110.00 ft TD 5110.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1025 to 1055 hr
SI 60 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1055 to 1155 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1155 to 1255 hr
FS 90 Depth(ft )	5107.0	5107.0	5091.0	0.0	0.0	FS Fr. 1255 to 1425 hr

	Field	1	2	3	4	
A. Init Hydro	2460.0	0.0	2265.0	0.0	0.0	T STARTED 0716 hr
B. First Flow	32.0	0.0	10.0	0.0	0.0	T ON BOTM 1022 hr
B1. Final Flow	32.0	0.0	16.0	0.0	0.0	T OPEN 1025 hr
C. In Shut-in	660.0	0.0	642.0	0.0	0.0	T PULLED 1425 hr
D. Init Flow	32.0	0.0	20.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	32.0	0.0	27.0	0.0	0.0	
F. Fl Shut-in	1236.0	0.0	1223.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2439.0	0.0	2281.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 47000.00 lbs
						Unseated Str Wt 47000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5081.00 ft

RECOVERY

Tot Fluid 35.00 ft of 0.00 ft in DC and 35.00 ft in DP  
 300.00 ft of Gas in pipe  
 35.00 ft of Very slightly gas cut mud (trace of oil)  
 0.00 ft of 5% gas 95% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair blow slowly built to 8 1/4" in H2O bucket  
 Initial Shut-In:  
 Bled down for 10 minutes. built back to weak surface blow  
 Final Flow:  
 Fair blow built to 8-1/2" in H2O in bucket  
 Final Shut-In:  
 Bled down for 5 minutes.

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.10 lb/c1  
 Vis. 48.00 S/L  
 W.L. 8.00 in3  
 F.C. 0.32 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 120.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren L.Amerine  
 Co. Rep. Tim  
 Contr. Duke  
 Rig # 1  
 Unit # none  
 Pump T. none

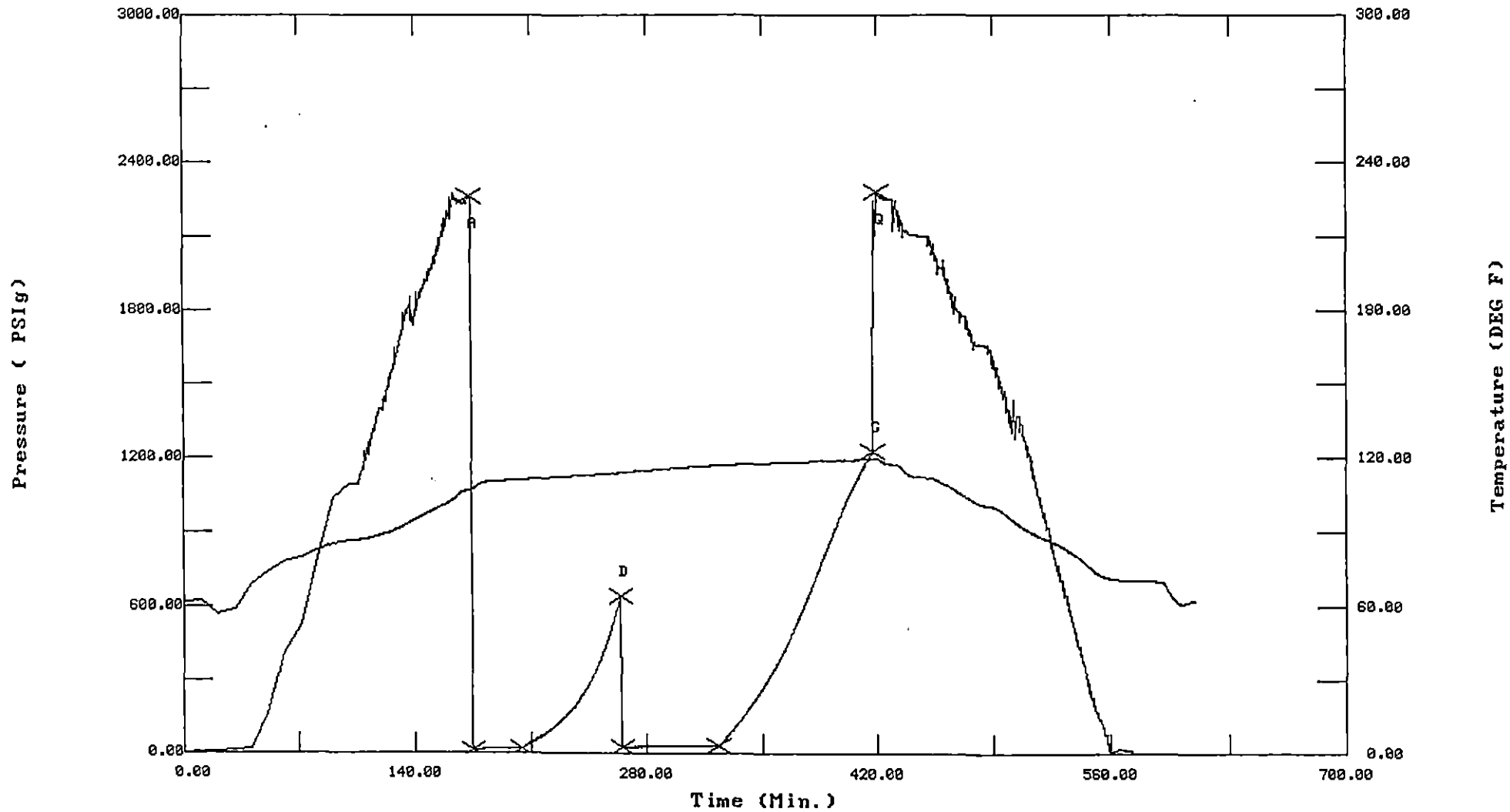
Test Successful: Y

# TEST HISTORY

Tk#13239 DST#4 Hackney"C"#1-17 Daystar Petroleum, Inc.

Flag Points  
t(Min.) P(PSIg)

A:	0.00	2265.37
B:	0.00	10.31
C:	29.33	15.85
D:	60.33	641.87
E:	0.00	20.22
F:	58.33	27.44
G:	93.33	1222.99
Q:	0.00	2280.90





# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N<sup>o</sup> 13239

## Test Ticket

Well Name & No. <u>Hackney 9C #1-17</u>	Test No. <u>#4</u>	Date <u>10/10/00</u>
Company <u>Daystar Pet, Inc. 1321 W. 93<sup>rd</sup></u>	Zone Tested <u>(Ft. Scott)</u>	
Address <u>N. Valley Center, KS 67147</u>	Elevation <u>1809</u> KB <u>1798</u> GL	
Co. Rep / Geo. <u>Tim Pierce</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>17</u> Twp. <u>34<sup>S</sup></u> Rge. <u>19<sup>W</sup></u>	Co. <u>Comanche</u> State <u>KS</u>	
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>5085' - 5110'</u>	Initial Str Wt./Lbs. <u>47,000</u>	Unseated Str Wt./Lbs. <u>47,000</u>
Anchor Length <u>25'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>76,000</u>
Top Packer Depth <u>5080'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5085'</u>	Hole Size — 7 7/8" <u>L</u>	Rubber Size — 6 3/4" <u>L</u>
Total Depth <u>5110'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.1</u> LCM <u>1<sup>#</sup></u> Vis. <u>48</u> WL <u>B.O</u>	Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>5081'</u>
Blow Description <u>IF: Fair blow slowly built to 8 1/4" in H2O bucket</u>		
<u>ISL: Bled down for 10 mins built back to creek surface blow</u>		
<u>FF: Fair blow slowly built to 8 1/2" in H2O bucket</u>		
<u>EST: Bled down for 5 mins.</u>		

Recovery — Total Feet <u>35'</u>	GIP <u>300'</u>	Ft. in DC <u>    </u>	Ft. in DP <u>    </u>
Rec. <u>35'</u> Feet Of <u>USGM trace of oil</u>	<u>5% gas</u>	<u>1% oil</u>	<u>95% mud</u>
Rec. <u>300'</u> Feet Of <u>Gas</u>	<u>    </u>	<u>    </u>	<u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
BHT <u>120°</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 <u>    </u>	Chlorides <u>10,000</u> ppm System <u>    </u>

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2460</u>	<u>2265</u>	<u>2350</u>	<u>06:15</u>
(B) First Initial Flow Pressure	<u>32</u>	<u>10</u>	(depth) <u>5091</u>	T-Started <u>07:16</u>
(C) First Final Flow Pressure	<u>32</u>	<u>16</u>	PSI Recorder No. <u>10991</u>	T-Open <u>10:25</u>
(D) Initial Shut-In Pressure	<u>660</u>	<u>642</u>	(depth) <u>5107</u>	T-Pulled <u>14:25</u>
(E) Second Initial Flow Pressure	<u>32</u>	<u>20</u>	PSI Recorder No. <u>    </u>	T-Out <u>17:00</u>
(F) Second Final Flow Pressure	<u>32</u>	<u>27</u>	(depth) <u>    </u>	T-Off Location <u>18:30</u>
(G) Final Shut-in Pressure	<u>1236</u>	<u>1223</u>	PSI Initial Opening <u>30</u>	Test <u>✓ 850</u>
(Q) Final Hydrostatic Mud	<u>2439</u>	<u>2281</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 mi '85</u>
				Other <u>5 15</u>
				TOTAL PRICE \$ <u>1350</u>

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Approved By Tim Pierce  
 Our Representative Doreen J. Lawrence

9:44  
10:45

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum Inc. DATE 10/11/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13240 DST #5  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Mississippi  
 INTERVAL : 5202.00 To 5232.00 ft TD 5232.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1312 to 1342 hr
SI 60 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1342 to 1442 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1442 to 1542 hr
FS 120 Depth(ft )	5229.0	5229.0	5208.0	0.0	0.0	FS Fr. 1542 to 1742 hr

	Field	1	2	3	4	
A. Init Hydro	2544.0	0.0	2361.0	0.0	0.0	T STARTED 1014 hr
B. First Flow	43.0	0.0	17.0	0.0	0.0	T ON BOTM 1309 hr
B1. Final Flow	32.0	0.0	16.0	0.0	0.0	T OPEN 1312 hr
C. In Shut-in	970.0	0.0	941.0	0.0	0.0	T PULLED 1742 hr
D. Init Flow	43.0	0.0	16.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	32.0	0.0	14.0	0.0	0.0	
F. Fl Shut-in	1438.0	0.0	1367.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2523.0	0.0	2323.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 48000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 5206.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP  
 3380.00 ft of Gas in pipe  
 20.00 ft of Very slightly gas cut mud  
 0.00 ft of 4% gas 96% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong flow bottom of bucket in 13 seconds.  
 Initial Shut-In:  
 Bled down for 10 minutes. No blow back  
 Final Flow:  
 Strong blow bottom of bucket in 10 seconds.  
 Final Shut-In:  
 Bled down for 5 minutes. No blow back

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 44.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.32 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 126.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren L.Amerine  
 Co. Rep. Tim Pierce  
 Contr. Duke  
 Rig # 1  
 Unit # none  
 Pump T. none

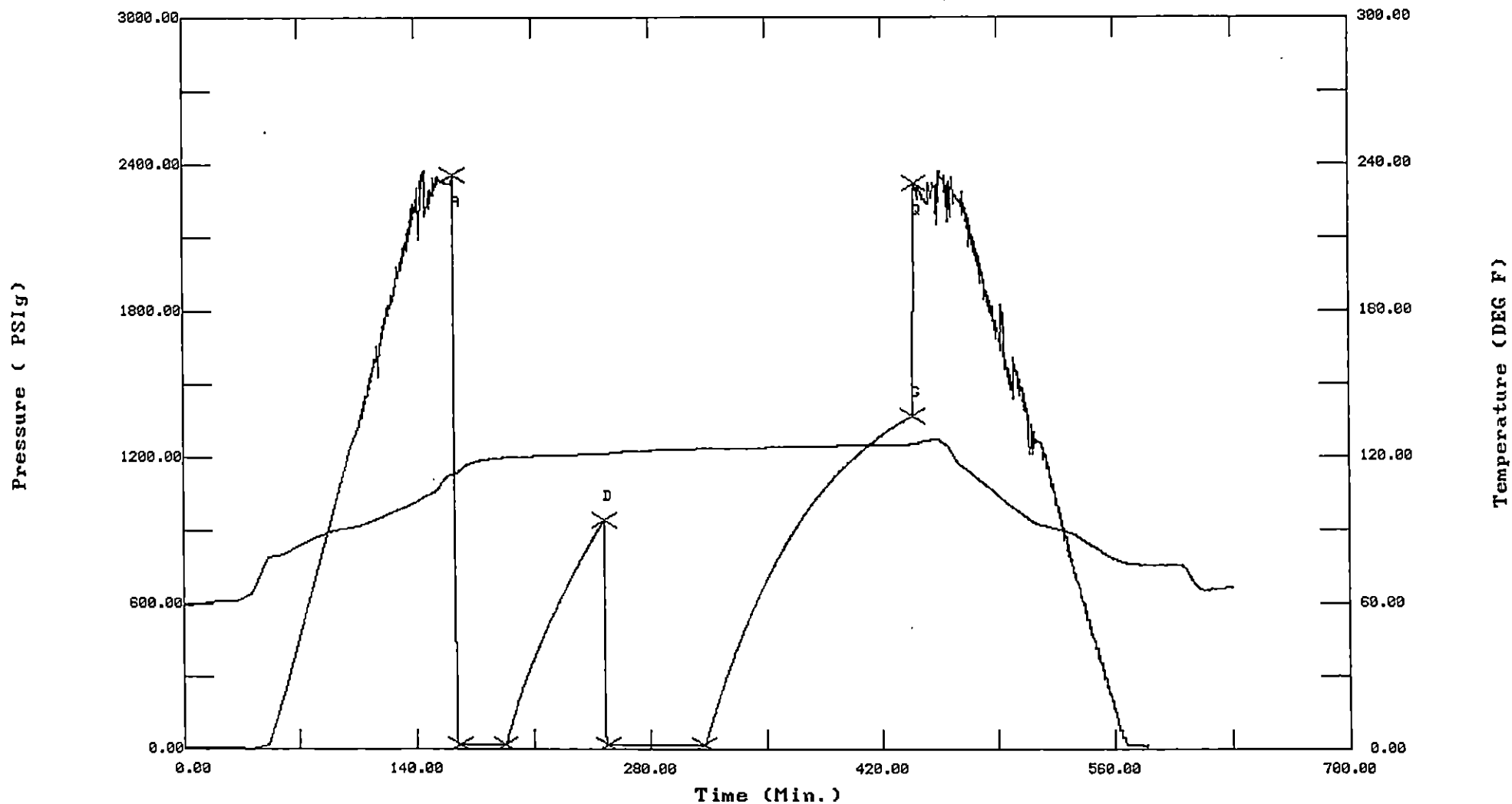
Test Successful: Y

# TEST HISTORY

Tk#13240 DST#5 Hackney"C"#1-17 Daystar Petroleum Inc.

Flag Points  
t(Min.) P(PSig)

A:	0.00	2361.05
B:	0.00	16.53
C:	27.00	16.19
D:	60.00	941.41
E:	0.00	16.27
F:	58.00	13.84
G:	126.33	1367.26
Q:	0.00	2323.28



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13240

## Test Ticket

Well Name & No. Duckney "C" #1-17 Test No. #5 Date 10/11/2000  
 Company Daystar Pet, Inc. 1321 W. 93<sup>rd</sup> Zone Tested Miss.  
 Address N. Valley Center, KS 67147 Elevation 1809 KB 1798 GL  
 Co. Rep / Geo. Tim Pierce Cont. Dvk #1 Est. Ft. of Pay      Por.      %  
 Location: Sec. 17 Twp. 34<sup>s</sup> Rge. 19<sup>w</sup> Co. Comanche State KS  
 No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 5202 - 5232' Initial Str Wt./Lbs. 48000 Unseated Str Wt./Lbs. 48000  
 Anchor Length 30' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 65000  
 Top Packer Depth 5197' Tool Weight 2100  
 Bottom Packer Depth 5202' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 5232' Wt. Pipe Run N/A Drill Collar Run N/A  
 Mud Wt. 9.2 LCM 3<sup>#</sup> Vis. 74 WL 12.0 Drill Pipe Size 4 1/2 KH Ft. Run 5206'

Blow Description IF: Strong blow s.o.b. in 13 sec.  
ISI: Bled down for 10 mins. No blow back  
FF: Strong blow s.o.b. in 10 sec.  
FSI: Bled down for 5 mins. No blow back

Recovery — Total Feet 20' GIP 3380 Ft. in DC 3380 Ft. in DP       
 Rec. 20' Feet Of      %gas      %oil      %water 9% %mud       
 Rec. 3380 Feet Of Gas In pipe %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 126 °F Gravity      °API D@      °F Corrected Gravity      °API       
 RW      @      °F Chlorides      ppm Recovery Chlorides 10000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2544</u>	<u>2361</u>	<u>2350</u>	<u>0945</u>
(B) First Initial Flow Pressure	<u>43</u>	<u>17</u>	(depth) <u>5208'</u>	T-Started <u>1014</u>
(C) First Final Flow Pressure	<u>32</u>	<u>16</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1312</u>
(D) Initial Shut-In Pressure	<u>970</u>	<u>941</u>	(depth) <u>5229'</u>	T-Pulled <u>1742</u>
(E) Second Initial Flow Pressure	<u>43</u>	<u>16</u>	PSI Recorder No. <u>    </u>	T-Out <u>2000</u>
(F) Second Final Flow Pressure	<u>32</u>	<u>14</u>	(depth) <u>    </u>	T-Off Location <u>2150</u>
(G) Final Shut-in Pressure	<u>1438</u>	<u>1567</u>	PSI Initial Opening <u>30</u>	Test <u>    </u> <input checked="" type="checkbox"/> <u>850</u>
(Q) Final Hydrostatic Mud	<u>2523</u>	<u>2323</u>	PSI Initial Shut-in <u>60</u>	Jars <u>    </u> <input checked="" type="checkbox"/> <u>200</u>
			Final Flow <u>60</u>	Safety Joint <u>    </u> <input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in <u>120</u>	Straddle <u>    </u>
				Circ. Sub <u>    </u>
				Sampler <u>    </u>
				Extra Packer <u>    </u>
				Elec. Rec. <u>    </u> <input checked="" type="checkbox"/> <u>150</u>
				Mileage <u>85m</u> '85
				Other <u>4hrs</u> <u>120</u>
				TOTAL PRICE \$ <u>1455</u>

13:44  
14:15  
10

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Approved By Tim Pierce  
 Our Representative Darrell Amrine

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum Inc. DATE 10/12/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13241 DST #6  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Mississippi  
 INTERVAL : 5307.00 To 5344.00 ft TD 5344.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1931 to 2001 hr
SI 60 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 2001 to 2101 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2101 to 2201 hr
FS 90 Depth(ft )	5341.0	5341.0	5313.0	0.0	0.0	FS Fr. 2201 to 2331 hr

	Field	1	2	3	4	
A. Init Hydro	2469.0	0.0	2439.0	0.0	0.0	T STARTED 1551 hr
B. First Flow	53.0	0.0	11.0	0.0	0.0	T ON BOTM 1928 hr
B1. Final Flow	53.0	0.0	28.0	0.0	0.0	T OPEN 1931 hr
C. In Shut-in	1629.0	0.0	1529.0	0.0	0.0	T PULLED 2331 hr
D. Init Flow	64.0	0.0	25.0	0.0	0.0	T OUT 0145 hr
E. Final Flow	75.0	0.0	39.0	0.0	0.0	
F. Fl Shut-in	1608.0	0.0	1507.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2659.0	0.0	2442.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 48000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5300.00 ft

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP  
 120.00 ft of Gas in pipe  
 50.00 ft of Very slightly oil, water & gas cut mud  
 0.00 ft of 10% gas 5% oil 5% water 80% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 4 1/2" in H2O bucket  
 Initial Shut-In:  
 Bled down for 10 minutes. NO blow back  
 Final Flow:  
 Weak blow built to 3-1/2" in H2O.  
 Final Shut-In:  
 Bled down for 5 minutes. No blow back

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.40 lb/c.  
 Vis. 48.00 S/L  
 W.L. 16.00 in3  
 F.C. 0.32 in  
 Mud Drop N .  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 123.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren L.Amerine  
 Co. Rep. Tim Pierce  
 Contr. Duke  
 Rig # 1  
 Unit # none  
 Pump T. none

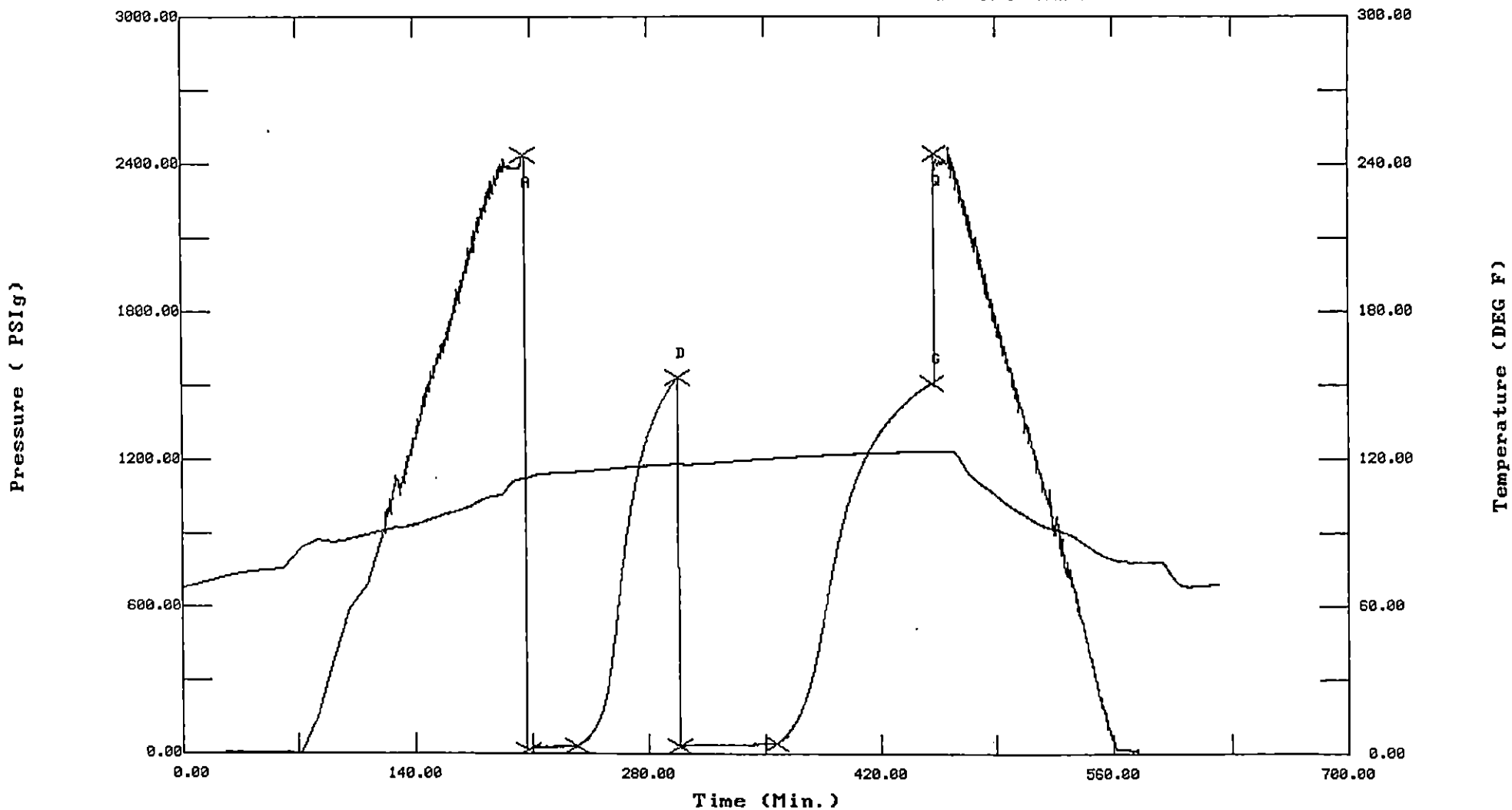
Test Successful: Y

# TEST HISTORY

Tk#13241 DST#6 Hackney"C"#1-17 Daystar Petroleum Inc.

Flag Points  
t(Min.) P( PSig)

A:	0.00	2438.51
B:	0.00	11.41
C:	29.33	28.19
D:	61.33	1529.16
E:	0.00	24.75
F:	58.00	38.51
G:	94.33	1506.50
Q:	0.00	2442.46



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No. 13241

## Test Ticket

Well Name & No. <u>Hackney "C" #1-17</u>		Test No. <u>#6</u>	Date <u>10/12/2000</u>	
Company <u>Daystar Pet. Inc. 1321 W. 93rd</u>		Zone Tested <u>Miss</u>		
Address <u>N. Valley Center, KS 67147</u>		Elevation <u>1809</u>	KB <u>1798</u>	GL
Co. Rep / Geo. <u>Jim Pierce</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay		Por. %
Location: Sec. <u>17</u>	Twp. <u>S45</u>	Rge. <u>19 W</u>	Co. <u>Comanche</u>	State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u>	Evaluation (Y, N) <u>—</u>	

Interval Tested <u>5307' - 5344'</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length <u>37'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>5302'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5307'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>5344'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.4</u> LCM <u>3#</u> Vis. <u>48</u> WL <u>160</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>5300</u>

Blow Description IF: Weak blow built to 4 1/2" in H2O bucket.  
TSI: Bled down for 10 mins. No blow back.  
FF: Weak blow built to 3 1/2" in H2O bucket.  
FSI: Bled down for 5 mins. No blow back.

Recovery — Total Feet <u>50'</u>	GIP <u>120'</u>	Ft. in DC <u>N/A</u>	Ft. in DP
Rec. <u>50'</u>	Feet Of <u>150' 6CM</u>	10 %gas 5 %oil	5 %water 80 %mud
Rec. <u>120'</u>	Feet Of <u>Gas In Pipe</u>	%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 123° °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2649</u>	Alpine <u>2439</u>	PSI Recorder No. <u>2350</u>	T-On Location <u>1445</u>
(B) First Initial Flow Pressure	<u>53</u>	<u>11</u>	PSI (depth) <u>5313'</u>	T-Started <u>1551</u>
(C) First Final Flow Pressure	<u>53</u>	<u>28</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1931</u>
(D) Initial Shut-in Pressure	<u>1629</u>	<u>1529</u>	PSI (depth) <u>5341'</u>	T-Pulled <u>2331</u>
(E) Second Initial Flow Pressure	<u>64</u>	<u>25</u>	PSI Recorder No. _____	T-Out <u>0145</u>
(F) Second Final Flow Pressure	<u>75</u>	<u>39</u>	PSI (depth) _____	T-Off Location <u>0315</u>
(G) Final Shut-in Pressure	<u>1608</u>	<u>1507</u>	PSI Initial Opening <u>30</u>	Test <u>✓</u>
(Q) Final Hydrostatic Mud	<u>2659</u>	<u>2442</u>	PSI Initial Shut-in <u>60</u>	Jars <u>—</u>
			Final Flow <u>60</u>	Safety Joint <u>—</u>
			Final Shut-in <u>90</u>	Straddle _____

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Approved By Jim Pierce  
 Our Representative Daren Owens

Elec. Rec. ✓  
 Mileage 85  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc. DATE 10/16/200  
 WELL NAME: Hackney"C"#1-17 KB 1809.00 ft TICKET NO: 13242 DST #7  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Viola  
 INTERVAL : 6108.00 To 6124.00 ft TD 6124.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 0610 to 0640 hr
SI 60 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 0640 to 0740 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0740 to 0840 hr
FS 90 Depth(ft )	6121.0	6121.0	6114.0	0.0	0.0	FS Fr. 0840 to 1010 hr

	Field	1	2	3	4	
A. Init Hydro	3046.0	0.0	2826.0	0.0	0.0	T STARTED 0200 hr
B. First Flow	53.0	0.0	21.0	0.0	0.0	T ON BOTM 0607 hr
B1. Final Flow	53.0	0.0	30.0	0.0	0.0	T OPEN 0610 hr
C. In Shut-in	2345.0	0.0	2210.0	0.0	0.0	T PULLED 1010 hr
D. Init Flow	43.0	0.0	22.0	0.0	0.0	T OUT 1300 hr
E. Final Flow	53.0	0.0	40.0	0.0	0.0	
F. Fl Shut-in	2355.0	0.0	2193.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	3109.0	0.0	2849.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 58000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 55000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 6111.00 ft

RECOVERY

Tot Fluid	75.00 ft of	0.00 ft in DC and	75.00 ft in DP
6036.00	ft of Gas in pipe		
75.00	ft of Heavy oil & gas cut watery mud		
0.00	ft of 22% gas 18% oil 12% water 48% mud		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket in 60 seconds. Gas to surface in 30 minutes

Initial Shut-In:  
 Bled down for 10 minutes. No blow back

Final Flow:  
 Strong blow bottom of bucket in 15 seconds. Gauge gas

Final Shut-In:  
 Bled down for 5 minutes. No blow back

SAMPLES: Caraway analytical, 728 N. Roosevelt  
 SENT TO: Liberal, Ks. 67901

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	49.00 S/L
W.L.	9.60 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	136.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L. Amerine
Co. Rep.	Tim Pierce
Contr.	Duke
Rig #	1
Unit #	none
Pump T.	none



\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Hackney"C"#1-17		P.O. SUB Top of tool @	6081
		C.O. SUB	6082
LOCATION : 17-34s-19w Comanche co KS		S.I. TOOL	6087
TICKET No. 13242    D.S.T. No. 7    DATE 10/16/200			
TOTAL TOOL TO BOTTOM OF TOP PACKERS .....	28		
INTERVAL TOOL .....		HMV	6092
BOTTOM PACKERS AND ANCHOR .....	16	JARS	6097
TOTAL TOOL .....	44		
DRILL COLLAR ANCHOR IN INTERVAL .....			
D.C. ANCHOR STND.Stands      Single      Total			
D.P. ANCHOR STND.Stands      Single      Total		SAFETY JOINT	6099
TOTAL ASSEMBLY .....		PACKER	6103
D.C. ABOVE TOOLS.Stands      Single      Total		PACKER	6108
D.P. ABOVE TOOLS.Stands98      Single      Total 6111		DEPTH 6108 1'to	6109
TOTAL DRILL COLLARS DRILL PIPE & TOOLS ..	6155	ANCHOR 10'of perms.to	6119
		Alpine rec. @ 6114	
TOTAL DEPTH .....	6124		
TOTAL DRILL PIPE ABOVE K.B. ....	31		
REMARKS:			
			6119
		Ak-1 rec.@ 6121	
		BULLNOSE 5'bullnose to	6124
		T.D.	

# Horner Plot: shut-in #2

Tk#13241 DST#6 Hackney "C" #1-17 Daystar Petroleum Inc.

Slope: 1816.4779 PSig/cycle

Ext. Pressure: 2023.5054 PSig

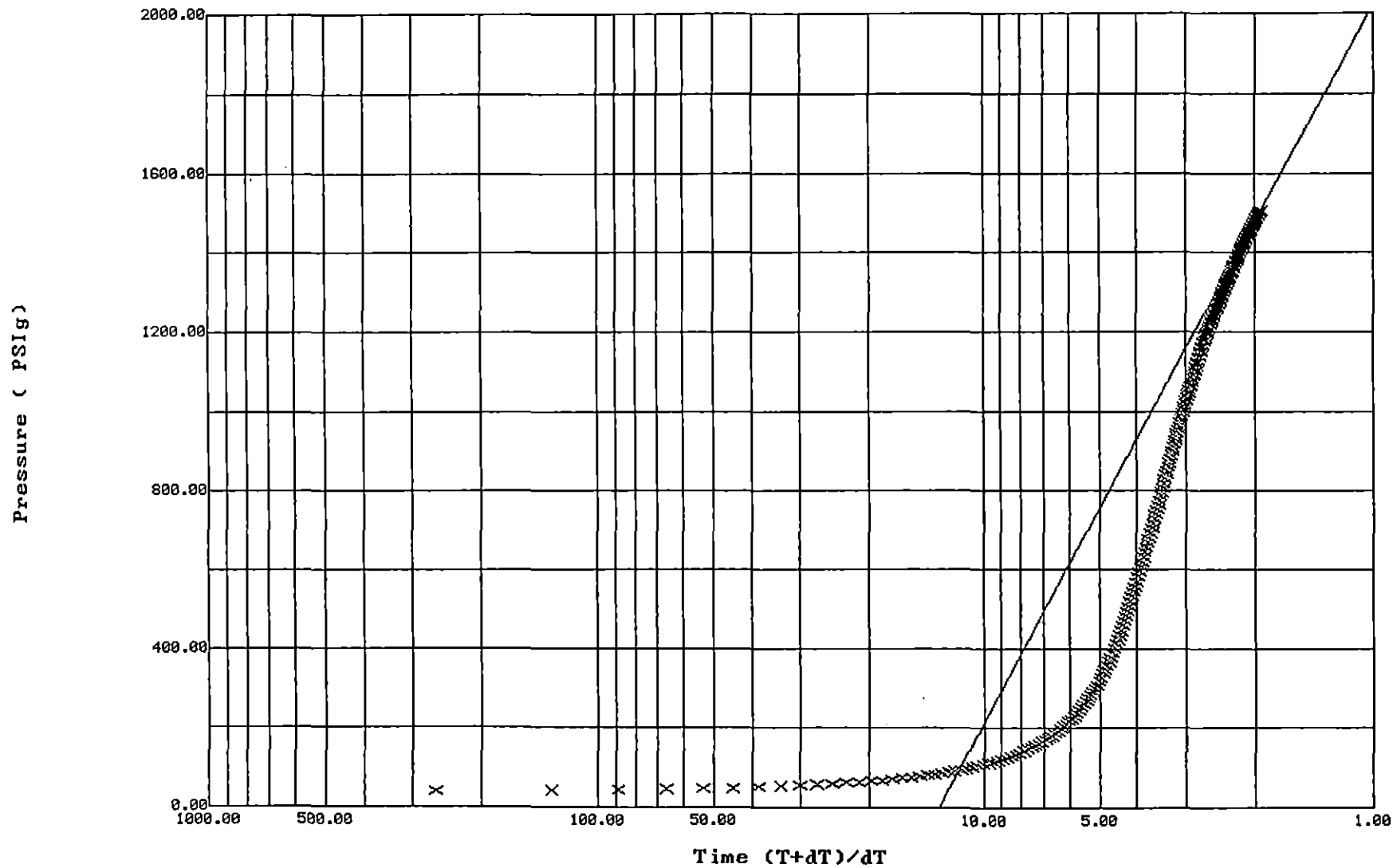
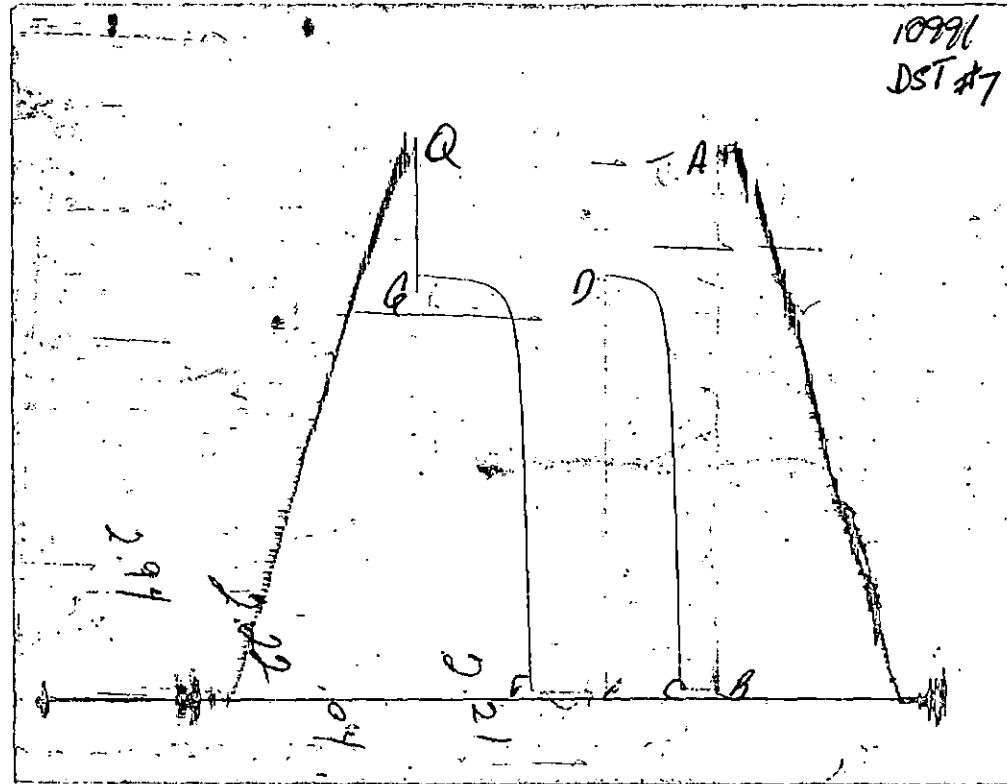


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13242

## Test Ticket

Well Name & No. <u>Hackney "C" #1-17</u>	Test No. <u>#7</u>	Date <u>10/16/00</u>
Company <u>Daystar Pet, Inc 1321 W. 93rd</u>	Zone Tested <u>Viola</u>	
Address <u>N. Valley Center, Ks. 67147</u>	Elevation <u>1809</u>	KB <u>1798</u> GL
Co. Rep / Geo. <u>Tim Pierce</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>17</u>	Twp. <u>345</u>	Rge. <u>19W</u> Co. <u>Comanche</u> State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>6108' - 6124'</u>	Initial Str Wt./Lbs. <u>55000</u>	Unseated Str Wt./Lbs. <u>55000</u>
Anchor Length <u>16'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>58000</u>
Top Packer Depth <u>6103'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>6108'</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>6124'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.2</u> LCM <u>5#</u> Vis. <u>49</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>6111'</u>

Blow Description TF! Strong blow b.o.p in 60 sec. GTS in 30 min.  
1ST! Bled down for 10 mins. No blow  
FT! Strong blow b.o.p in 15 sec Gauge Gas.  
FST! Bled down for 5 mins. No blow back

Recovery — Total Feet <u>75'</u>	GIP <u>6036'</u>	Ft. in DC <u>N/A</u>	Ft. in DP <u>75'</u>		
Rec. <u>75'</u>	Feet Of <u>HOSE</u>	<u>22</u> %gas	<u>18</u> %oil	<u>12</u> %water	<u>48</u> %mud
Rec. <u>6036'</u>	Feet Of <u>Gas In pipe</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
Rec. <u>    </u>	Feet Of <u>    </u>	%gas	%oil	%water	%mud
BHT <u>136°</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 <u>    </u>	Chlorides <u>7000</u>	ppm System <u>    </u>

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>3046</u>	<u>2826</u>		<u>2350</u>	<u>0100</u>
(B) First Initial Flow Pressure	<u>53</u>	<u>21</u>	PSI	(depth) <u>6114'</u>	T-Started <u>0200</u>
(C) First Final Flow Pressure	<u>53</u>	<u>30</u>	PSI	Recorder No. <u>10991</u>	T-Open <u>0610</u>
(D) Initial Shut-In Pressure	<u>2345</u>	<u>2210</u>	PSI	(depth) <u>6121'</u>	T-Pulled <u>1010</u>
(E) Second Initial Flow Pressure	<u>43</u>	<u>22</u>	PSI	Recorder No. <u>    </u>	T-Out <u>1300</u>
(F) Second Final Flow Pressure	<u>53</u>	<u>40</u>	PSI	(depth) <u>    </u>	T-Off Location <u>1430</u>
(G) Final Shut-in Pressure	<u>2355</u>	<u>2193</u>	PSI	Initial Opening <u>30</u>	Test <u>✓</u>
(Q) Final Hydrostatic Mud	<u>3109</u>	<u>2849</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u>
				Final Flow <u>60</u>	Safety Joint <u>✓</u>
				Final Shut-in <u>90</u>	Straddle <u>    </u>

TRILOBITE TESTING L.L.C. 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 Tim Pierce  
Our Representative Darren J. Lamerine

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

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum Inc. DATE 10-21-000  
 WELL NAME: Hackney #1-17 KB 1809.00 ft TICKET NO: 13207 DST #8  
 LOCATION : 17-34s-19w Comanche co KS GR 1798.00 ft FORMATION: Viola  
 INTERVAL : 6148.00 To 6167.00 ft TD 6548.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10290	10290	2342	10248		PF Fr. 2025 to 2055 hr
SI 60 Range(Psi )	4250.0	4250.0	4995.0	4400.0	0.0	IS Fr. 2055 to 2155 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.	12 hr		SF Fr. 2155 to 2255 hr
FS 120 Depth(ft )	6160.0	6160.0	6154.0	6545.0	0.0	FS Fr. 2255 to 0055 hr

	Field	1	2	3	4	
A. Init Hydro	2974.0	0.0	2959.0	0.0	0.0	T STARTED 1500 hr
B. First Flow	784.0	0.0	904.0	0.0	0.0	T ON BOTM 2020 hr
B1. Final Flow	2102.0	0.0	2079.0	0.0	0.0	T OPEN 2025 hr
C. In Shut-in	2402.0	0.0	2385.0	0.0	0.0	T PULLED 0059 hr
D. Init Flow	2149.0	0.0	2102.0	0.0	0.0	T OUT 0645 hr
E. Final Flow	2402.0	0.0	2384.0	0.0	0.0	
F. Fl Shut-in	2402.0	0.0	2385.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2867.0	0.0	2827.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 5020.00 ft of 240.00 ft in DC and 4780.00 ft in DP  
 0.00 ft of Gas in all fluid free pipe.  
 5020.00 ft of Gassy salt water. 5%g 95%w  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of Rw .09 ohms @ 72 degrees F.  
 0.00 ft of EST.FT. of PAY-----5  
 SALINITY 91000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c:
Vis.	54.00 S/L
W.L.	8.80 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	1443.00 F
Hole Condition	good
% Porosity	26.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Chuck Schmidt
Contr.	Duke Drlg.
Rig #	1
Unit #	
Pump T.	LCM 9 #/bl

BLOW DESCRIPTION

Initial Flow:  
 Strong blow. Bottom of bucket in 5 seconds. Gas to surface in 24 minutes.  
 Initial Shut-In:  
 Strong blow.  
 Final Flow:  
 Strong blow. (see gas volume report)  
 Final Shut-In:  
 Weak blow.

SAMPLES: none  
 SENT TO:Caraway/Liberal

Test Successful: Y

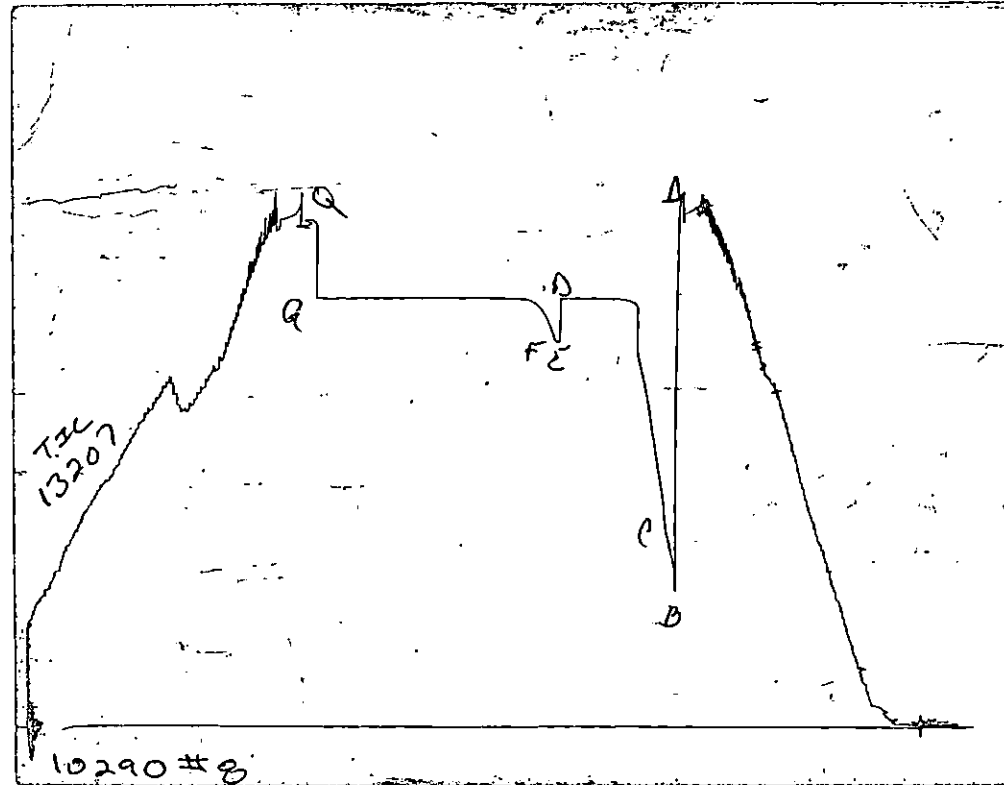
\*\*\* TOOL DIAGRAM \*\*\* CONV/STRADDLE

WELL NAME: Hackney #1-17		H	P.O. SUB	
		H	C.O. SUB @ top of tool	6121
LOCATION : 17-34s-19w Comanche co KS		H	S.I. TOOL Sterling	6127
TICKET No. 13207 D.S.T. No. 8 DATE 10-21-000		H		
TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27		H		
INTERVAL TOOL ..... 19		H	HMV Sterling	6132
BOTTOM PACKERS AND ANCHOR ..... 6		H	JARS bowen	6137
TOTAL TOOL ..... 52		H		
DRILL COLLAR ANCHOR IN INTERVAL .....		H		
D.C. ANCHOR STND.Stands Single Total		H		
D.P. ANCHOR STND.Stands 5 Single Total 375		H	SAFETY JOINT bowen	6139
TOTAL ASSEMBLY ..... 427		H	PACKER Top	6143
D.C. ABOVE TOOLS.Stands40 Single Total 240		H	PACKER Btm.	6148
D.P. ABOVE TOOLS.Stands96 Single Total 5914		H	DEPTH 6148	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6581		H	1 ft.	6149
TOTAL DEPTH ..... 6548		H	ANCHOR	
TOTAL DRILL PIPE ABOVE K.B. .... 33		H	perfs	
REMARKS:		H	Alpine rec. @ 6154	
Comments:		H		
		H	AK-1 rec.@ 6160	
		H	14' perfs to	6163
		H	Blank sub to	6164
		H		
		H	3 ft. T.C. to	6167
		H	6167	
		H	Stubb	6168
		H	sub	6169
		H		
		H	5 stds. pipe & sub	6545
		H	AK-1 rec. @ 6545	
		H	BULLNOSE 3 ft. perforated	6548
		H	T.D.	

FLUID SAMPLER DATA (not run)

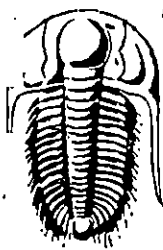
GAS-----		
OIL-----		ML.
MUD-----		ML.
WATER-----		ML.
OTHER-----		
PRESSURE-----		PSI
Rw -----	ohms @	deg. F.
CHLORIDES-----		ppm.
GRAVITY-----		n/a deg.API

CHART PAGE



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

10290 # 8



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

## GAS VOLUME REPORT

Daystar Petrol. Inc.  
OPERATOR

Hackney # 1-17  
WELL NAME AND NO.

8  
DST NO.

*Initial Open*

*Final Open*

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
24	~	1/2"	GTS	10	3 PSI	1/4"	25.9
10	2 PSI	1/4"	24.4	20	5 PSI	1/4"	28.8
				30	8 PSI	1/4"	33.2
				40	12 PSI	1/4"	47.9
				50	0	1/2"	TSTM
				60	0	1/2"	TSTM

Remarks: