

15-175-21790

TRILOBITE TESTING L.L.C.

24-31s-31w

OPERATOR : Daystar Petroleum, Inc.
 WELL NAME: Unruh "A-1"
 LOCATION : 24-31S-31-W Seward co KS
 INTERVAL : 4784.00 To 4819.00 ft

DATE 3-10-00
 KB 2801.00 ft TICKET NO: 12520 DST #1
 GR 2790.00 ft FORMATION: Swope
 TD 4819.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017			PF Fr. 2000 to 2030 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 2030 to 2130 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 2130 to 2230 hr
FS 90 Depth(ft)	4816.0	4816.0	4786.0	0.0	0.0	FS Fr. 2230 to 0000 hr

	Field	1	2	3	4	
A. Init Hydro	2333.0	2452.0	2253.0	0.0	0.0	T STARTED 1815 hr
B. First Flow	74.0	104.0	38.0	0.0	0.0	T ON BOTM 1957 hr
B1. Final Flow	140.0	158.0	148.0	0.0	0.0	T OPEN 2000 hr
C. In Shut-in	1388.0	1414.0	1381.0	0.0	0.0	T PULLED 0000 hr
D. Init Flow	205.0	245.0	159.0	0.0	0.0	T OUT 0300 hr
E. Final Flow	299.0	327.0	296.0	0.0	0.0	
F. Fl Shut-in	1372.0	1394.0	1355.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2305.0	2377.0	2241.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 12000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 570.00 ft
						D.P. Length 4217.00 ft

RECOVERY

Tot Fluid 595.00 ft of 570.00 ft in DC and 25.00 ft in DP
 65.00 ft of Gas in pipe.
 115.00 ft of Slightly Oil & Gas cut watery mud
 0.00 ft of 3% gas 4% oil 20% water 73% mud
 80.00 ft of Heavy mud cut water w/ scum of oil
 0.00 ft of 57% water 43% mud
 400.00 ft of Gassy water
 0.00 ft of 3% gas 97% water
 0.00 ft of
 SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak 1", built to strong blow. Bottom
 of bucket in 12 minutes.

Initial Shut-In:
 No blow back.

Final Flow:
 Weak surface blow built to strong.
 Bottom of bucket in 43 minutes.

Final Shut-In:
 No blow back.

Remarks: Est. 10 Ft. of pay.

SAMPLES: None

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 47.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop Y 30.0 ft

Amt. of fill 0.00 ft
 Btm. H. Temp. 114.00 F
 Hole Condition Good
 % Porosity 17.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Lanny Saloga
 Co. Rep. Tim Pierce
 Contr. Murfin
 Rig # 22
 Unit #
 Pump T.

Test Successful: Y

[illegible]

REMARKS:

TEST HISTORY

12520 D.S.T.#1 Unruh "A-1" Daystar Petroleum, Inc.

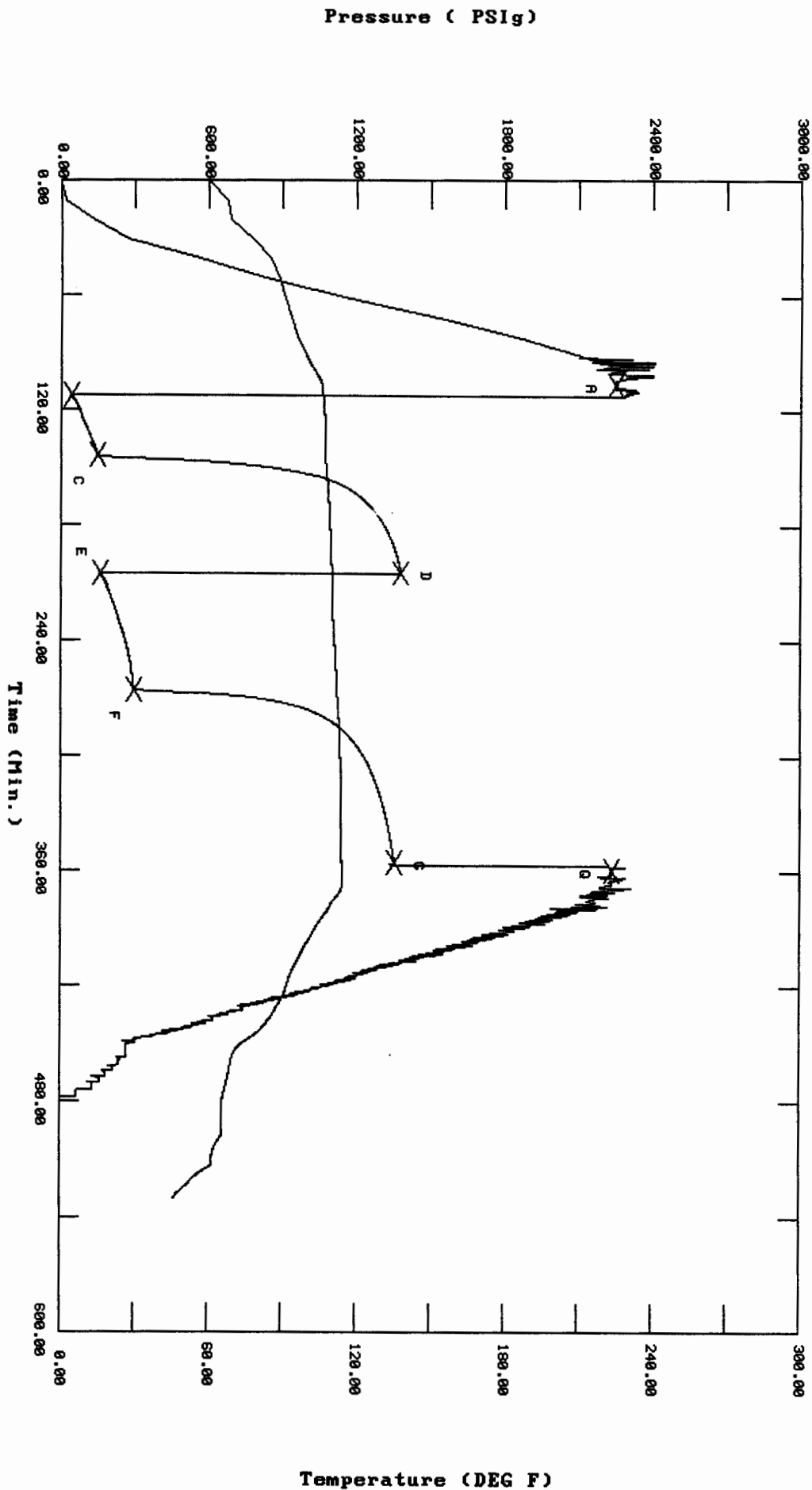
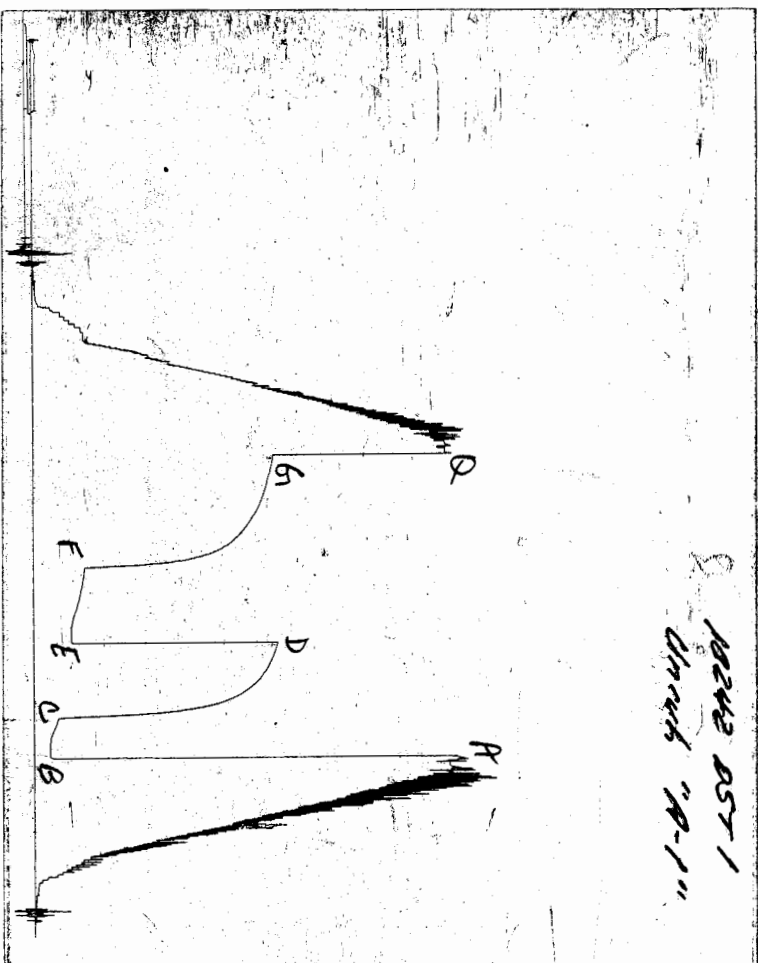


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12520

Well Name & No.	<u>Uncub "A-1"</u>	Test No.	<u>1</u>	Date	<u>3-10-00</u>
Company	<u>Daystar Pet. Inc.</u>	Zone Tested	<u>Swape</u>		
Address	<u>1321 W. 93rd N. Valley Center, KS. 67147</u>		Elevation	<u>2801</u> KB <u>2790</u> GL	
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Martin Rig 22</u>	Est. Ft. of Pay	<u>10</u> Por. <u>17</u> %
Location: Sec.	<u>24</u>	Twp.	<u>31S</u>	Rge.	<u>31W</u> Co. <u>Seward</u> State <u>KS</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u></u>

Interval Tested	<u>4784-4819</u>	Initial Str Wt./Lbs.	<u>78,000</u>	Unseated Str Wt./Lbs.	<u>80,000</u>
Anchor Length	<u>35'</u> <u>Ten 1=27'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>12,000</u>
Top Packer Depth	<u>4779</u>	Tool Weight	<u>4,800</u>		
Bottom Packer Depth	<u>4784</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>4819</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>570</u>
Mud Wt.	<u>9.2</u> LCM <u>1#</u> Vis. <u>47</u> WL <u>8.8</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4217 30' up</u>

Blow Description Went 1" built to string OBB in 12 min. T.F.P.
no blow-back. T.S.T.P.
Went surface blow, built to string OBB in 43 min. F.F.P.
no blow-back. F.S.T.P.

Recovery — Total Feet	<u>585</u>	GIP	<u>65</u>	Ft. in DC	<u>570</u>	Ft. in DP	<u>25</u>
Rec.	<u>115</u>	Feet Of	<u>Sl. Oil & Gas cut with mud</u>	3 %gas	4 %oil	20 %water	23 %mud
Rec.	<u>80</u>	Feet Of	<u>Heavy mud cut with water</u>	1 %gas	%oil	57 %water	43 %mud
Rec.	<u>400</u>	Feet Of	<u>Gassy water</u>	3 %gas	%oil	97 %water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>114</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u> °API
RW	<u>0.29</u> @ <u>56</u>	°F Chlorides	<u>30,000</u> ppm Recovery	Chlorides	<u>3,000</u> ppm System		

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2333</u>	<u>2253</u>	PSI Recorder No.	<u>3017 "18:05"</u> T-On Location <u>4:00 PM</u>
(B) First Initial Flow Pressure	<u>74</u>	<u>38</u>	PSI (depth)	<u>4786</u> T-Started <u>6:15 PM</u>
(C) First Final Flow Pressure	<u>140</u>	<u>148</u>	PSI Recorder No.	<u>10242</u> T-Open <u>8:00 PM</u>
(D) Initial Shut-In Pressure	<u>1388</u>	<u>1381</u>	PSI (depth)	<u>4816</u> T-Pulled <u>12:00 AM</u>
(E) Second Initial Flow Pressure	<u>205</u>	<u>159</u>	PSI Recorder No.	<u>—</u> T-Out <u>3:00 AM</u>
(F) Second Final Flow Pressure	<u>299</u>	<u>296</u>	PSI (depth)	<u>—</u> T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>1372</u>	<u>1355</u>	PSI Initial Opening	<u>30</u> Test, <u>700</u> ✓
(Q) Final Hydrostatic Mud	<u>2305</u>	<u>2241</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>

31001805.017
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 Jimmy L. Salazar

Extra Packer —
Elec. Rec. 150 ✓
Mileage —
Other 2 Hrs 60
TOTAL PRICE \$ 4160.00

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc.

DATE 3-11-00

WELL NAME: Unruh "A-1"

KB 2801.00 ft

TICKET NO: 12521

DST #2

LOCATION : 24-31S-31W Seward co KS

GR 2790.00 ft

FORMATION: Marmaton "A"

INTERVAL : 4934.00 To 5020.00 ft

TD 5020.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017			PF Fr. 2155 to 2225 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 2225 to 2325 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 2325 to 0025 hr
FS 90 Depth(ft)	5017.0	5017.0	4936.0	0.0	0.0	FS Fr. 0025 to 0155 hr

	Field	1	2	3	4	
A. Init Hydro	2428.0	2513.0	2334.0	0.0	0.0	T STARTED 2010 hr
B. First Flow	84.0	105.0	21.0	0.0	0.0	T ON BOTM 2153 hr
B1. Final Flow	84.0	105.0	29.0	0.0	0.0	T OPEN 2155 hr
C. In Shut-in	748.0	757.0	746.0	0.0	0.0	T PULLED 0155 hr
D. Init Flow	88.0	105.0	29.0	0.0	0.0	T OUT 0430 hr
E. Final Flow	88.0	105.0	43.0	0.0	0.0	
F. Fl Shut-in	777.0	794.0	775.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2405.0	2468.0	2303.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 7000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 78000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 508.00 ft
						D.P. Length 4404.00 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 510.00 ft of Gas in pipe.
 60.00 ft of Slightly oil & gas cut mud
 0.00 ft of 3% gas 2% oil 95% 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 3100.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	47.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

BLOW DESCRIPTION

Initial Flow:

Weak 1/4" built to 5 1/2" in bucket
 in 30 minutes.

Initial Shut-In:

No blow back.

Final Flow:

Fair 2" blow built to strong bottom
 of bucket in 34 minutes.

Final Shut-In:

No blow back.

Remarks: Est. 5 Ft. of Pay.

Good show of oil in tool.

SAMPLES: None

SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	Good
% Porosity	15.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Tim Pierce
Contr.	Murfin
Rig #	22
Unit #	
Pump T.	

Test Successful: Y

P.O.	SUB Cir. sub	4847
C.O.	SUB Top of tool Co. sub	4907 4908
S.I.	TOOL H&T	4913
HMV	Sterling	4918
JARS	Bowen	4923
SAFETY JOINT	Bowen	4925
PACKER	Sparton	4930
PACKER	Sparton	4934
DEPTH	1 ft.	4935
ANCHOR Rec.	sub Alpine	4936 4936
	Pu. sub	4941
12 ft.	perfs	4953
Co.	sub	4954
1 std DP	63 Ft.	5017
AK-1		5017
Co.	sub	5018
BULLNOSE	2 ft. perf T.D.	5020

LOCATION : 24-31S-31W Seward co KS

TICKET No. 12521 D.S.T. No. 2 DATE 3-11-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR	STND.	Stands	Single	Total
1	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	1	1	1	1
5	1	1	1	1
6	1	1	1	1
7	1	1	1	1
8	1	1	1	1
9	1	1	1	1
10	1	1	1	1
11	1	1	1	1
12	1	1	1	1
13	1	1	1	1
14	1	1	1	1
15	1	1	1	1
16	1	1	1	1
17	1	1	1	1
18	1	1	1	1
19	1	1	1	1
20	1	1	1	1
21	1	1	1	1
22	1	1	1	1
23	1	1	1	1
24	1	1	1	1
25	1	1	1	1
26	1	1	1	1
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28	1	1	1	1
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31	1	1	1	1
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42	1	1	1	1
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84	1	1	1	1
85	1	1	1	1
86	1	1	1	1
87	1	1	1	1
88	1	1	1	1
89	1	1	1	1
90	1	1	1	1
91	1	1	1	1
92	1	1	1	1
93	1	1	1	1
94	1	1	1	1

D.P. ANCHOR STND.Stands	1 Single	Total 63
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TOTAL ASSEMBLY 113

D.C. ABOVE TOOLS.Stands 8 Single 1 Total 508

D.P. ABOVE TOOLS.Stands 70 Single 1 Total 4404

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5025

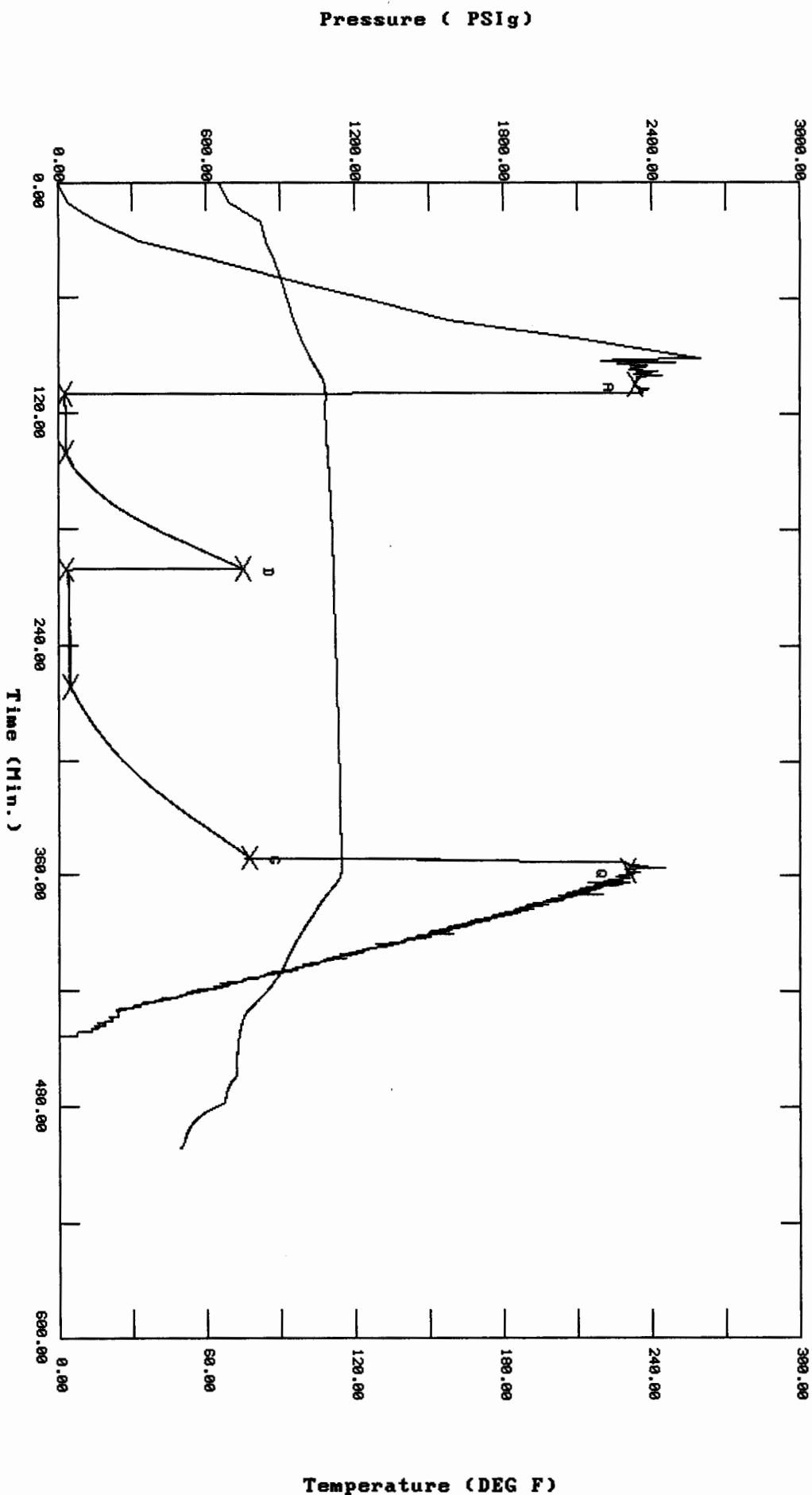
TOTAL DEPTH 5020

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

TEST HISTORY

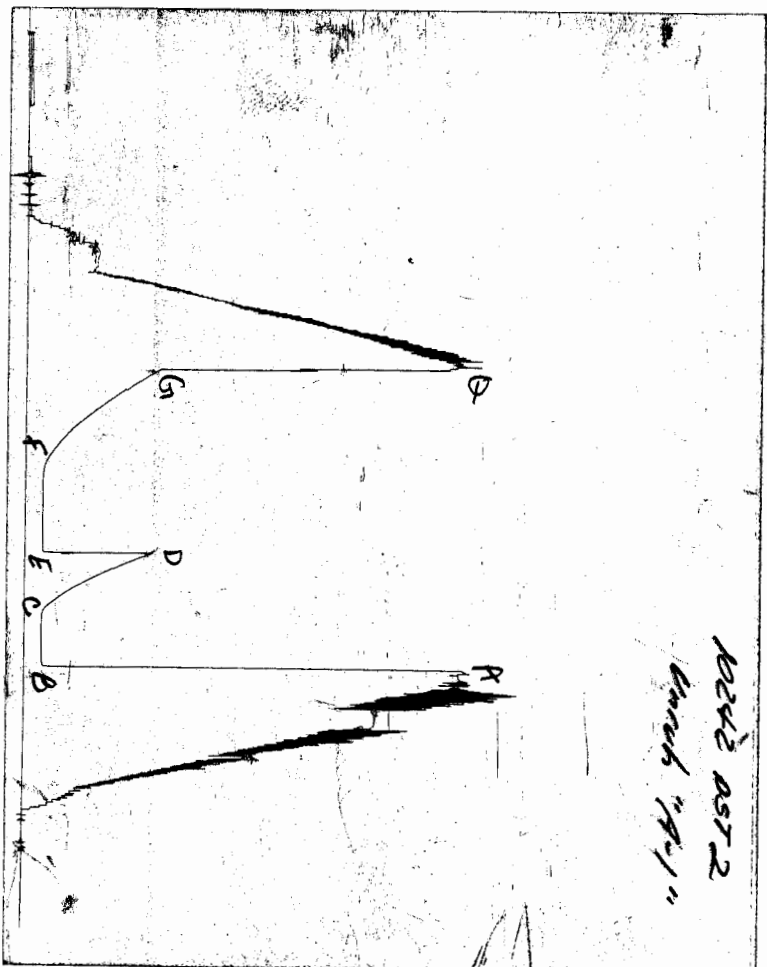
12521 D.S.T.#2 Unruh "A-1" Daystar Petroleum, Inc.



Flag Points

t(Min.)	P(PSig)
A: 0.00	2394.62
B: 0.00	21.37
C: 30.75	29.64
D: 60.00	746.16
E: 0.00	29.68
F: 60.25	43.92
G: 89.75	775.30
H: 0.00	2363.78

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

Test Ticket

N^o 12521

Well Name & No.	<u>Uacub "A-1"</u>	Test No.	<u>2</u>	Date	<u>3-11-00</u>
Company	<u>Daystar Pet. Inc.</u>	Zone Tested	<u>Marathon "A"</u>		
Address	<u>Valley Center KS 67147</u>	Elevation	<u>2801</u>	KB	<u>2790</u> GL
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Martin Rig 22</u>	Est. Ft. of Pay	<u>5</u> Por. <u>15</u> %
Location: Sec.	<u>24</u>	Twp.	<u>31S</u>	Rge.	<u>31W</u> Co. <u>Sevier</u> State <u>KS</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N.</u>	Turnkey (Y, N)	<u>N.</u> Evaluation (Y, N) <u></u>

Interval Tested	<u>4934-5020</u>	Initial Str Wt/Lbs.	<u>78000</u>	Unseated Str Wt/Lbs.	<u>78000</u>
Anchor Length	<u>86'</u> Tool = <u>27'</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>7000</u>
Top Packer Depth	<u>4929</u>	Tool Weight	<u>2800</u>		
Bottom Packer Depth	<u>4934</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5020</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>508</u>
Mud Wt.	<u>9.1</u> LCM <u>1#</u> Vis. <u>47</u> WL <u>8.8</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4404 5' up</u>
Blow Description	<u>Work 1/4" built to 5 1/2" in bucket, 30 min. T.F.P.</u>				
	<u>No blow-back T.S.T.P.</u>				
	<u>For 2" built to string OBB in 34 min. F.F.P.</u>				
	<u>No blow-back F.S.T.P.</u>				

Recovery — Total Feet	<u>60</u>	GIP	<u>510</u>	Ft. in DC	<u>60</u>	Ft. in DP	<u>0</u>
Rec.	<u>60</u>	Feet Of	<u>0.46 cut mud</u>	3 %gas	2 %oil	%water	<u>95</u> %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	<u>114</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u> °API
RW	<u>2.5</u> @ <u>54</u>	°F Chlorides	<u>3,100</u>	ppm Recovery		Chlorides	<u>3,000</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2428</u>	<u>2334</u>	PSI Recorder No.	<u>3017 "20" 03"</u> T-On Location <u>6:00 P.M.</u>
(B) First Initial Flow Pressure	<u>84</u>	<u>21</u>	PSI (depth)	<u>4936</u> T-Started <u>8:10 P.M.</u>
(C) First Final Flow Pressure	<u>84</u>	<u>29</u>	PSI Recorder No.	<u>10242</u> T-Open <u>9:55 P.M.</u>
(D) Initial Shut-In Pressure	<u>748</u>	<u>746</u>	PSI (depth)	<u>5017</u> T-Pulled <u>1:55 A.M.</u>
(E) Second Initial Flow Pressure	<u>88</u>	<u>29</u>	PSI Recorder No.	<u>—</u> T-Out <u>4:30 A.M.</u>
(F) Second Final Flow Pressure	<u>88</u>	<u>43</u>	PSI (depth)	<u>—</u> T-Off Location <u></u>
(G) Final Shut-in Pressure	<u>777</u>	<u>725</u>	PSI Initial Opening	<u>30</u> Test <u>800</u> ✓
(Q) Final Hydrostatic Mud	<u>2405</u>	<u>2303</u>	PSI Initial Shut-in	<u>60</u> Jars <u>200</u> ✓

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Approved By	<u>Tim Pierce</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></u>
				Other	<u></u>
Our Representative	<u>Jimmy L. Salgado</u>			TOTAL PRICE \$	<u>1200.00</u>

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Pet. Inc.

DATE 3-13-00

WELL NAME: Unruh "A-1"

KB 2801.00 ft

TICKET NO: 12522 DST #3

LOCATION : 24-31S-31W Seward co KS

GR 2790.00 ft

FORMATION: Morrow/Chester

INTERVAL : 5428.00 To 5543.00 ft

TD 5543.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017			PF Fr. 2025 to 2055 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 2055 to 2155 hr
SF 90 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 2155 to 2325 hr
FS 120 Depth(ft)	5540.0	5540.0	5430.0	0.0	0.0	FS Fr. 2325 to 0125 hr

	Field	1	2	3	4	
A. Init Hydro	2766.0	2788.0	2638.0	0.0	0.0	T STARTED 1830 hr
B. First Flow	287.0	304.0	259.0	0.0	0.0	T ON BOTM 2022 hr
B1. Final Flow	280.0	301.0	167.0	0.0	0.0	T OPEN 2025 hr
C. In Shut-in	1739.0	1757.0	1668.0	0.0	0.0	T PULLED 0125 hr
D. Init Flow	238.0	270.0	168.0	0.0	0.0	T OUT 0420 hr
E. Final Flow	224.0	241.0	122.0	0.0	0.0	
F. Fl Shut-in	1632.0	1648.0	1571.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2735.0	2753.0	2620.0	0.0	0.0	Tool Wt. 3300.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 16000.00 lbs
						Initial Str Wt 84000.00 lbs
						Unseated Str Wt 84000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 570.00 ft
						D.P. Length 4858.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
 5428.00 ft of Gas in pipe
 0.00 ft of
 0.00 ft of
 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	9.20 lb/c:
Vis.	49.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	40.0 ft

BLOW DESCRIPTION

Initial Flow:
 Strong immediately. Gas to surface in
 3 minutes. Built throughout. Gauged
 569,000 CFPD.

Initial Shut-In:

No blow back.

Final Flow:

Gauged 558,000 CFPD. Decreased
 steadily to 473,000 CFPD in 90
 minutes.

Final Shut-In:

1/2" blow back.

SAMPLES: One

SENT TO: Caraway

Amt. of fill	0.00 ft
Btm. H. Temp.	111.00 F
Hole Condition	Good
% Porosity	8.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Tim Pierce
Contr.	Murfin
Rig #	22
Unit #	
Pump T.	

Test Successful: Y

.....

DATE: 3-13-00

KB Elev: 2801.00 ft TICKET #12522 DST #3

GR Elev: 2790.00 ft FORMATION: Morrow/Chester

INTERVAL Fr.: 5428.00 To 5543.00 T.D.: 5543.00 ft TEST TYPE: CONVENTIONAL

***** GAS RATES FOR FLOW #1

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	24	0	449000.0
10	0.75	31	0	534000.0
15	0.75	33	0	558000.0
20	0.75	33	0	558000.0
30	0.75	32	0	546000.0
40	0.75	31	0	534000.0
50	0.75	30	0	522000.0
60	0.75	29	0	510000.0
70	0.75	28	0	497000.0
80	0.75	27	0	487000.0
90	0.75	26	0	473000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Sample From: Unruh A-1 DST 3
Producer: Daystar Petroleum

Pressure:
Temperature:

Time:
Sampler: Lanny Saloga
Source:

County: Seward
State: Kansas
Formation: Morrow/

-----Chester

	Mole %	GPM
Helium	He: 0.158	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 7.505	0.000
Carbon Dioxide	CO2: 0.125	0.000
Methane	C1: 80.262	0.000
Ethane	C2: 5.974	1.598
Propane	C3: 3.396	0.936
Iso Butane	iC4: 0.484	0.158
Normal Butane	nC4: 1.000	0.315
Iso Pentane	iC5: 0.248	0.091
Normal Pentane	nC5: 0.282	0.102
Hexanes Plus	C6+: 0.565	0.246

TOTAL: 100.000 3.447

Z Fact: 0.9973

SP.GR.: 0.6963

BTU (SAT): 1086.6 @ 14.73 psia

BTU (DRY): 1105.9 @ 14.73 psia

OCTANE RATING: 115.6

COMMENTS:

0.000

2

P.O. SUB Cir. sub	5341
C.O. SUB Top of tool	5401
Double pin	5402
S.I. TOOL H&T	5407

HMV Sterling	5412
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JARS Bowen	5417
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SAFETY JOINT Bowen	5419
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PACKER Sparton 5424

PACKER Sparton 5428

1 ft.	5429
-------	------

ANCHOR Rec. sub 5430

H	Alpine	5430
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Pu. sub	5435
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[illegible]

H	10 ft. perfs	5445
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Co. sub	5446
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[illegible]

1 std 1 jt DP 94' 5540

AK-1	5540
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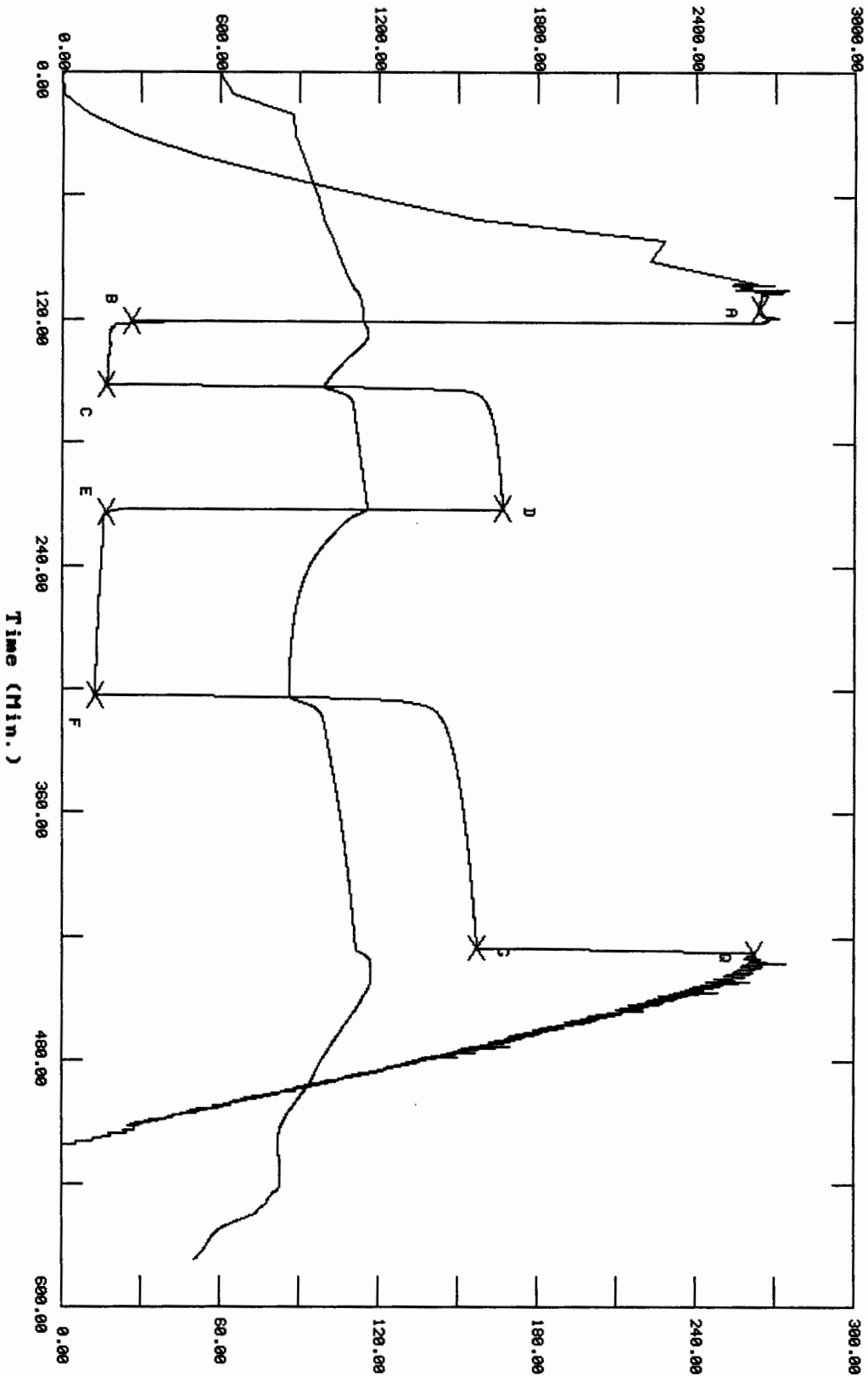
Co. sub	5541
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BULLNOSE 2 ft. perf

U.T.D. 5543

TEST HISTORY

12522 D.S.T.#3 Unruh "A-1" Daystar Petroleum, Inc.



Pressure (PSig)

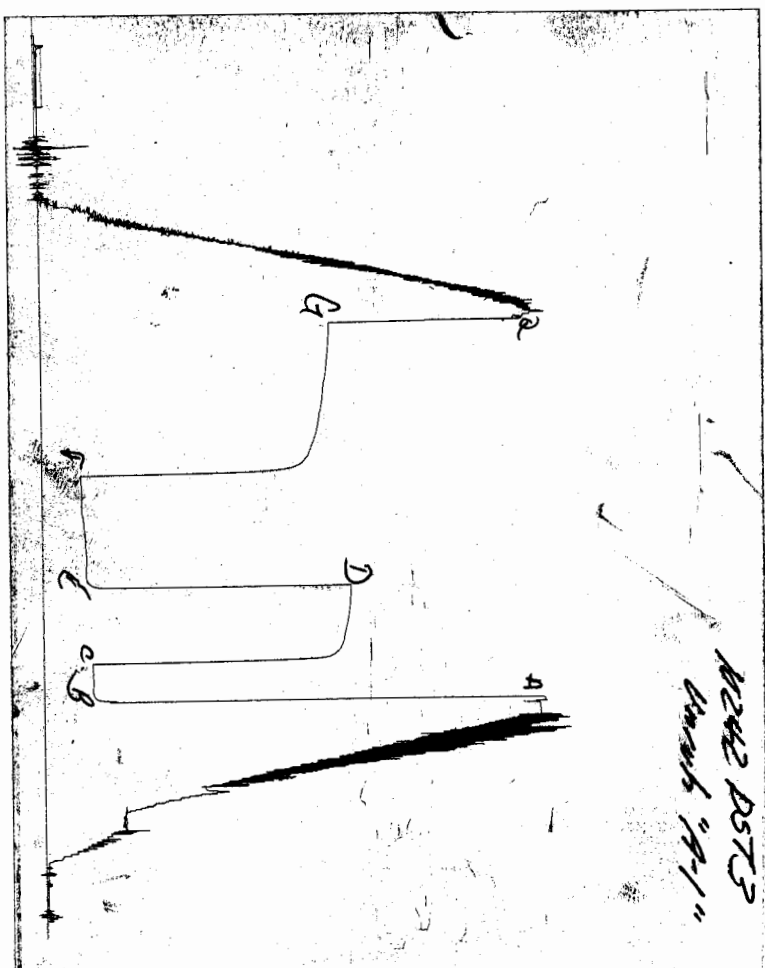
Flag Points

t (Min.) P (PSig)

Temperature (DEG F)

Time (Min.)

CHART PAGE



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



GAS VOLUME REPORT

3
DST

T.F.P.

F.F.P.

[illegible]

Remarks: Gas burned.

1 sample to = Caraway

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12522

Well Name & No.	<u>Unsub "A-1"</u>	Test No.	<u>3</u>	Date	<u>3-13-00</u>
Company	<u>Dynasty Pet. Inc.</u>	Zone Tested	<u>Macmillan/Chatter</u>		
Address	<u>1614 Center St. 67147</u>		Elevation	<u>2801</u> KB <u>2790</u> GL	
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Mudlin Rig 22</u>	Est. Ft. of Pay	<u>17</u> Por. <u>8</u> %
Location: Sec.	<u>24</u>	Twp.	<u>31S</u>	Rge.	<u>31W</u> Co. <u>Sevier</u> State <u>Ks.</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) _____

Interval Tested	<u>5428-5543</u>	Initial Str Wt./Lbs	<u>84,000</u>	Unseated Str Wt./Lbs.	<u>84,000</u>
Anchor Length	<u>115'</u> <u>Ten = 27'</u>	Wt. Set Lbs.	<u>22,000</u>	Wt. Pulled Loose/Lbs.	<u>16,000</u>
Top Packer Depth	<u>5423</u>	Tool Weight	<u>3,300</u>		
Bottom Packer Depth	<u>5428</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5543</u>	Wt. Pipe Run	<u>78</u>	Drill Collar Run	<u>570</u>
Mud Wt.	<u>9.2</u> LCM <u>1#</u> Vis. <u>49</u> WL <u>7.2</u>	Drill Pipe Size	<u>4 1/2 XN</u>	Ft. Run	<u>4858</u> <u>27' up</u>

Blow Description Strong inrush GTS in 3 min. See Flow Chart. T.S.T.P.
No blow-back. T.S.T.P.
See Flow chart. F.S.P.
1/2" blow-back. F.S.T.P.

Recovery — Total Feet	<u>0</u>	GIP	<u>5428</u>	Ft. in DC	<u>0</u>	Ft. in DP	<u>0</u>
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		
Rec.	Feet Of	%gas	%oil	%water	%mud		
BHT	<u>111</u> °F Gravity	—	°API D@	—	°F Corrected Gravity	—	°API
RW	—	@	—	°F Chlorides	—	ppm Recovery	Chlorides <u>3,000</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2766</u>	<u>2638</u>	PSI Recorder No.	<u>3017 "18-23"</u>	T-On Location <u>5:20 PM.</u>
(B) First Initial Flow Pressure	<u>287</u>	<u>259</u>	PSI (depth)	<u>5430</u>	T-Started <u>6:30 PM.</u>
(C) First Final Flow Pressure	<u>280</u>	<u>167</u>	PSI Recorder No.	<u>10242</u>	T-Open <u>8:25 PM.</u>
(D) Initial Shut-In Pressure	<u>1239</u>	<u>1668</u>	PSI (depth)	<u>5540</u>	T-Pulled <u>1:25 A.M.</u>
(E) Second Initial Flow Pressure	<u>238</u>	<u>168</u>	PSI Recorder No.	—	T-Out <u>4:20 A.M.</u>
(F) Second Final Flow Pressure	<u>224</u>	<u>122</u>	PSI (depth)	—	T-Off Location
(G) Final Shut-in Pressure	<u>1632</u>	<u>1571</u>	PSI Initial Opening	<u>30</u>	Test <u>800</u> ✓
(Q) Final Hydrostatic Mud	<u>2735</u>	<u>2620</u>	PSI Initial Shut-in	<u>60</u>	Jars <u>200</u> ✓
			Final Flow	<u>90</u>	Safety Joint <u>50</u> ✓
			Final Shut-in	<u>120</u>	Straddle

31301823.017
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Approved By Tim Pierce

Our Representative Johnny L. Salge

Circ. Sub 1
Sampler
Extra Packer
Elec. Rec. 150 ✓
Mileage
Other 1 Hr. 30 ✓
TOTAL PRICE \$ 4230.00

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc.
WELL NAME: Unruh "A-1"
LOCATION : 24-31S-31W Seward co KS
INTERVAL : 5740.00 To 5853.00 ft

DATE 3-15-00
KB 2801.00 ft TICKET NO: 12523 DST #4
GR 2790.00 ft FORMATION: St. Louis A & B
TD 5853.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017			PF Fr. 1000 to 1030 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 1030 to 1130 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1130 to 1230 hr
FS 60 Depth(ft)	5850.0	5850.0	5742.0	0.0	0.0	FS Fr. 1230 to 1330 hr

	Field	1	2	3	4	
A. Init Hydro	2906.0	2928.0	2803.0	0.0	0.0	T STARTED 0815 hr
B. First Flow	91.0	111.0	22.0	0.0	0.0	T ON BOTM 0957 hr
B1. Final Flow	91.0	105.0	28.0	0.0	0.0	T OPEN 1000 hr
C. In Shut-in	149.0	154.0	117.0	0.0	0.0	T PULLED 1330 hr
D. Init Flow	93.0	105.0	21.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	93.0	105.0	27.0	0.0	0.0	
F. Fl Shut-in	172.0	175.0	143.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2852.0	2820.0	2727.0	0.0	0.0	Tool Wt. 3300.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 23000.00 lbs
						Wt Pulled Loose 7000.00 lbs
						Initial Str Wt 88000.00 lbs
						Unseated Str Wt 88000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 570.00 ft
						D.P. Length 5149.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
5.00 ft of Mud
0.00 ft of 100% 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 3200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak 1/2" built to 1" in 10 minutes.
Decreased slightly in 30 minutes.
Initial Shut-In:
No blow back.
Final Flow:
Surface blow throughout.
Final Shut-In:
No blow back.

SAMPLES: None
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	56.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	40.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	Good
% Porosity	6.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Tim Pierce
Contr.	Murfin
Rig #	22
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Unruh "A-1"

LOCATION : 24-31S-31W Seward co KS

TICKET No. 12523 D.S.T. No. 4 DATE 3-15-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 19

TOTAL TOOL 46

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 94

TOTAL ASSEMBLY 140

D.C. ABOVE TOOLS.Stands 9 Single 1 Total 570

D.P. ABOVE TOOLS.Stands 82 Single 1 Total 5149

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5859

TOTAL DEPTH 5853

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

Established 14 feet of pay.

P.O. SUB Cir. sub 5653
C.O. SUB Top of tool 5713
Double pin 5714
S.I. TOOL H&T 5719

HMV Sterling 5724

JARS Bowen 5729

SAFETY JOINT Bowen 5731

PACKER Sparton 5736

PACKER Sparton 5740

DEPTH

1 ft. 5741

ANCHOR Rec. sub 5742

Alpine 5742

Pu. sub 5747

8 ft. perfs 5755

Co. sub 5756

1 std 1 jt DP 94' 5850

AK-1 5850

Co. sub 5851

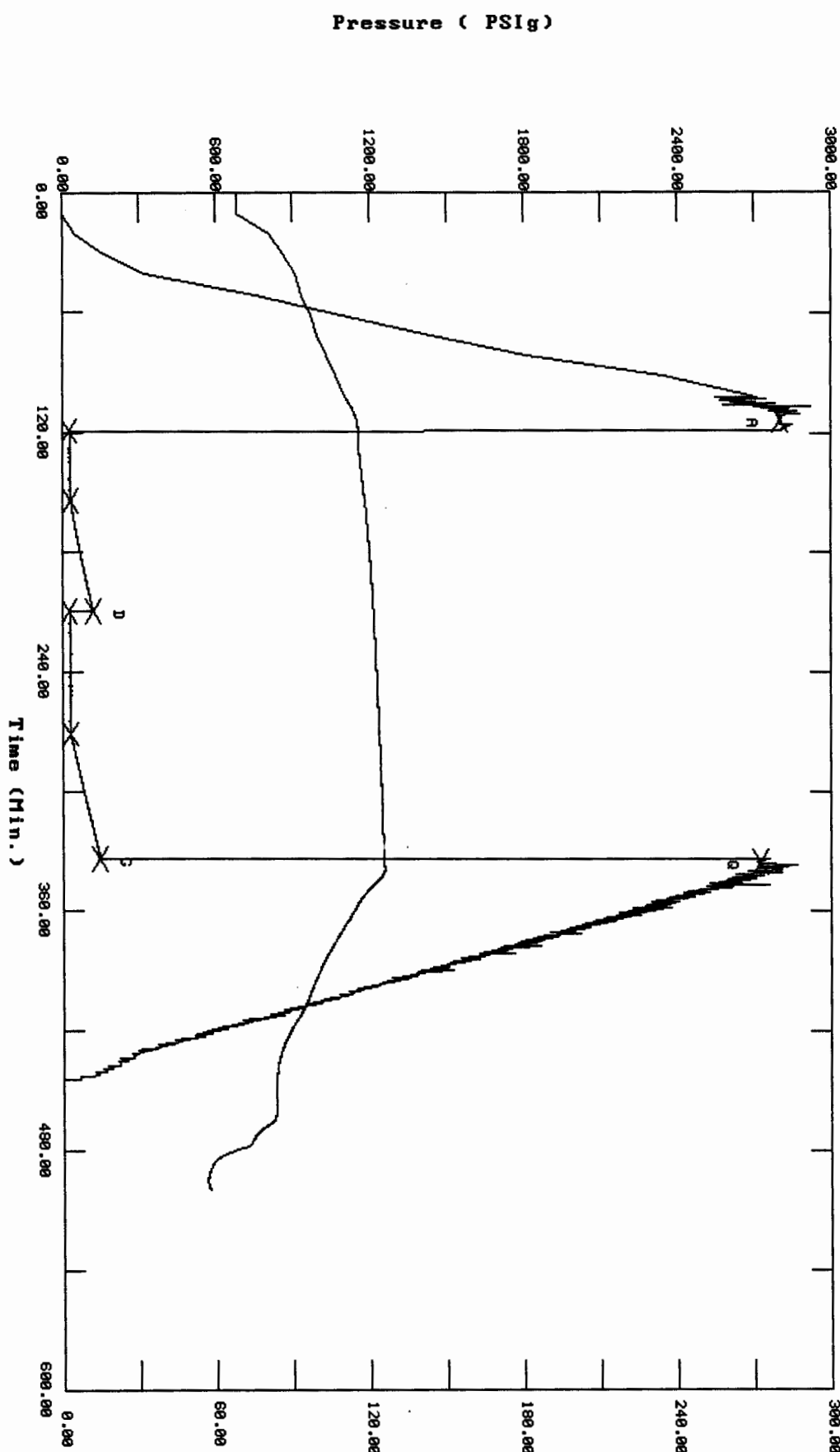
BULLNOSE 2 ft. perf 5853

T.D.

TEST HISTORY 12523 D.S.T.#4 Unruh "A-1" Daystar Petroleum, Inc.

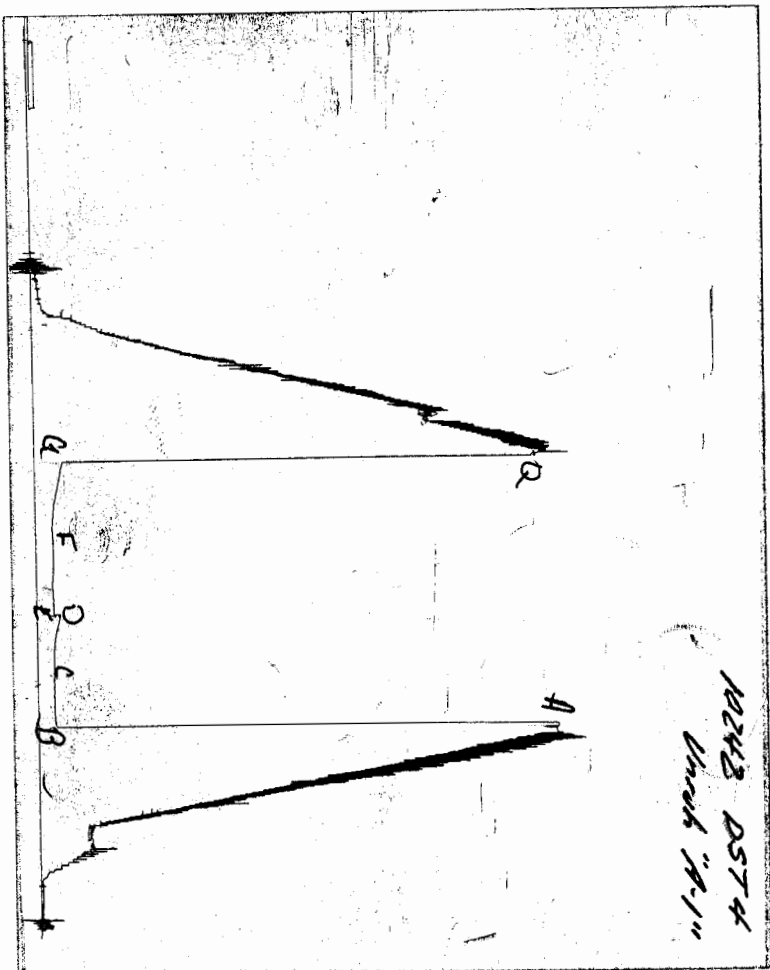
Flag Points

t(min.)	Pk Psig)
A: 0.00	2803.12
B: 0.00	22.71
C: 35.50	28.74
D: 55.50	117.46
E: 0.00	21.77
F: 61.00	27.08
G: 62.75	143.48
H: 0.00	2727.17



Temperature (DEG F)

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

Test Ticket

N^o 12523

Well Name & No.	<u>Unsub "A-1"</u>	Test No.	<u>4</u>	Date	<u>2-15-00</u>
Company	<u>Daystar Pet. Inc.</u>	Zone Tested	<u>St. Louis A+B</u>		
Address	<u>Valley Center Ks. 67147</u>	Elevation	<u>2801</u>	KB	<u>2790</u> GL
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Mud in Rig 22</u>	Est. Ft. of Pay	<u>14</u> Por. <u>6</u> %
Location: Sec.	<u>24</u>	Tw.	<u>31.5</u>	Rge.	<u>31 W</u> Co. <u>Seaward</u> State <u>Ks.</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u></u>

Interval Tested 5740-5853 Initial Str Wt./Lbs. 88,000 Unseated Str Wt./Lbs. 88,000
Anchor Length 113' Tool = 27' Wt. Set Lbs. 23,000 Wt. Pulled Loose/Lbs. 2,000
Top Packer Depth 5735 Tool Weight 3,300
Bottom Packer Depth 5740 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 5853 Wt. Pipe Run 82.5 Drill Collar Run 570
Mud Wt. 9.3 LCM 2# Vis. 5.6 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 5149 6' up
Blow Description Work 1/2" drill to 1" in 10 min. Decreased slightly in 30 min. I.F.P.
No blow-back. T.S. T.P.
Surface blow throughout. F.F.P.
No blow-back. F.S. T.P.

Recovery — Total Feet 5 GIP 0 Ft. in DC 5 Ft. in DP 0
Rec. 5 Feet Of Mud %gas %oil %water 100 %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 125 °F Gravity — °API D@ — °F Corrected Gravity — °API
RW 2.3 @ 57 °F Chlorides 3,200 ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2906</u>	<u>2803</u>	PSI Recorder No.	<u>3017 "08:00"</u> T-On Location <u>7:15 AM.</u>
(B) First Initial Flow Pressure	<u>91</u>	<u>22</u>	PSI (depth)	<u>5742</u> T-Started <u>8:15 AM.</u>
(C) First Final Flow Pressure	<u>91</u>	<u>28</u>	PSI Recorder No.	<u>10242</u> T-Open <u>10:00 AM.</u>
(D) Initial Shut-In Pressure	<u>149</u>	<u>117</u>	PSI (depth)	<u>5850</u> T-Pulled <u>1:30 P.M.</u>
(E) Second Initial Flow Pressure	<u>93</u>	<u>21</u>	PSI Recorder No.	— T-Out <u>4:45 P.M.</u>
(F) Second Final Flow Pressure	<u>93</u>	<u>27</u>	PSI (depth)	— T-Off Location
(G) Final Shut-in Pressure	<u>172</u>	<u>143</u>	PSI Initial Opening	<u>30</u> Test <u>800</u> ✓
(Q) Final Hydrostatic Mud	<u>2852</u>	<u>2727</u>	PSI Initial Shut-in	<u>60</u> Jars <u>300</u> ✓
			Final Flow	<u>60</u> Safety Joint <u>50</u> ✓
			Final Shut-in	<u>60</u> Straddle

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Approved By Tim Pierce

Our Representative Garrett S. Salas

Circ. Sub /
Sampler /
Extra Packer /
Elec. Rec. 150
Mileage /
Other /
TOTAL PRICE \$ 4,200.00

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc.
WELL NAME: Unruh "A-1"
LOCATION : 24-31S-31W Seward co KS
INTERVAL : 5915.00 To 5940.00 ft

DATE 3-16-00
KB 2801.00 ft TICKET NO: 12524 DST #5
GR 2790.00 ft FORMATION: St. Louis "C"
TD 5940.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	Alpine			PF Fr. 1105 to 1135 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 1135 to 1235 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1235 to 1335 hr
FS 120 Depth(ft)	5937.0	5937.0	5917.0	0.0	0.0	FS Fr. 1335 to 1535 hr

	Field	1	2	3	4	
A. Init Hydro	2970.0	2985.0	2875.0	0.0	0.0	T STARTED 0910 hr
B. First Flow	58.0	84.0	19.0	0.0	0.0	T ON BOTM 1103 hr
B1. Final Flow	58.0	78.0	26.0	0.0	0.0	T OPEN 1105 hr
C. In Shut-in	1212.0	1229.0	1221.0	0.0	0.0	T PULLED 1535 hr
D. Init Flow	65.0	86.0	17.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	65.0	86.0	37.0	0.0	0.0	
F. Fl Shut-in	1433.0	1452.0	1418.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2938.0	2973.0	2861.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 23000.00 lbs
						Wt Pulled Loose 4000.00 lbs
						Initial Str Wt 88000.00 lbs
						Unseated Str Wt 88000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 570.00 ft
						D.P. Length 5337.00 ft

RECOVERY

Tot Fluid 55.00 ft of 55.00 ft in DC and 0.00 ft in DP
985.00 ft of Gas in pipe.
55.00 ft of Mud cut Gassy Oil
0.00 ft of 6% gas 64% oil 30% 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:
Weak 1/2" built to strong blow.
Bottom of bucket in 21 minutes.
Initial Shut-In:
No blow back.
Final Flow:
Strong immediately and throughout.
Final Shut-In:
No blow back.

SAMPLES: None
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/cf
Vis. 53.00 S/L
W.L. 6.40 in3
F.C. 0.00 in
Mud Drop Y 40.0 ft

Amt. of fill 0.00 ft
Btm. H. Temp. 127.00 F
Hole Condition Good
% Porosity 12.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Lanny Saloga
Co. Rep. Tim Pierce
Contr. Murfin
Rig # 22
Unit #
Pump T.

Test Successful: Y

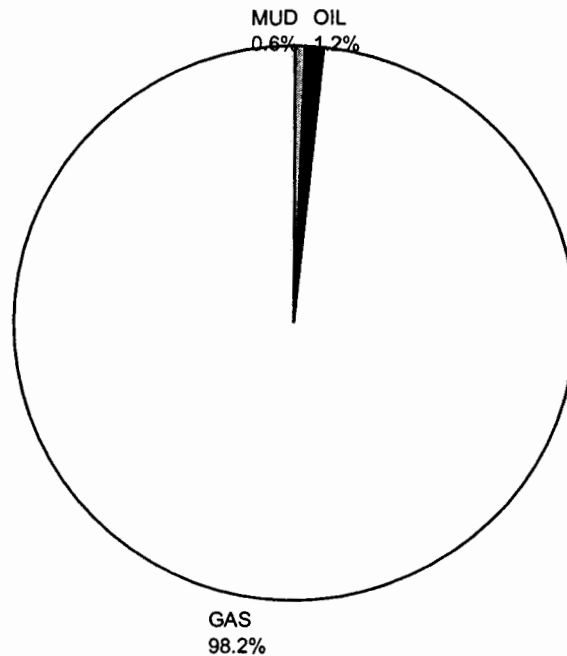
CALCULATED RECOVERY ANALYSIS

DST 5

TICKET 12524

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	985	100	985	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	55	6	3.3	64	35.2	0	0	30	16.5
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		1040	0	988.3	0	35.2	0	0	0	16.5

BBL OIL=	0.172128	*	HRS OPEN	1.5	=	BBL/DAY	2.754048
BBL WATER=	0	*			=		0
BBL MUD=	0.080685						
BBL GAS =	14.022837						



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Unruh "A-1"

LOCATION : 24-31S-31W Seward co KS

TICKET No. 12524 D.S.T. No. 5 DATE 3-16-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 25

TOTAL TOOL 52

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands 9 Single 1 Total 570

D.P. ABOVE TOOLS.Stands 85 Single 1 Total 5337

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5959

TOTAL DEPTH 5940

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

Established 16 feet of pay.

P.O. SUB Cir. sub	5828
C.O. SUB Top of tool	5888
Double pin	5889
S.I. TOOL H&T	5894
HMV Sterling	5899
JARS Bowen	5904
SAFETY JOINT Bowen	5906
PACKER Sparton	5911
PACKER Sparton	5915
DEPTH	
1 ft.	5916
ANCHOR Rec. sub	5917
Alpine	5917
Pu. sub	5922
AK-1	5937
16 ft. perfs	5938
BULLNOSE 2 ft. perf	
T.D.	5940

TEST HISTORY

12524 D.S.T.#5 Unruh "6-1" Daystar Petroleum, Inc.

Flag Points

	t(Min.)	Pc (PSig)
A:	0.00	2875.66
B:	0.00	19.23
C:	29.25	26.18
D:	59.00	1221.65
E:	0.00	17.39
F:	60.50	37.07
G:	125.25	1418.71
H:	0.00	2861.26

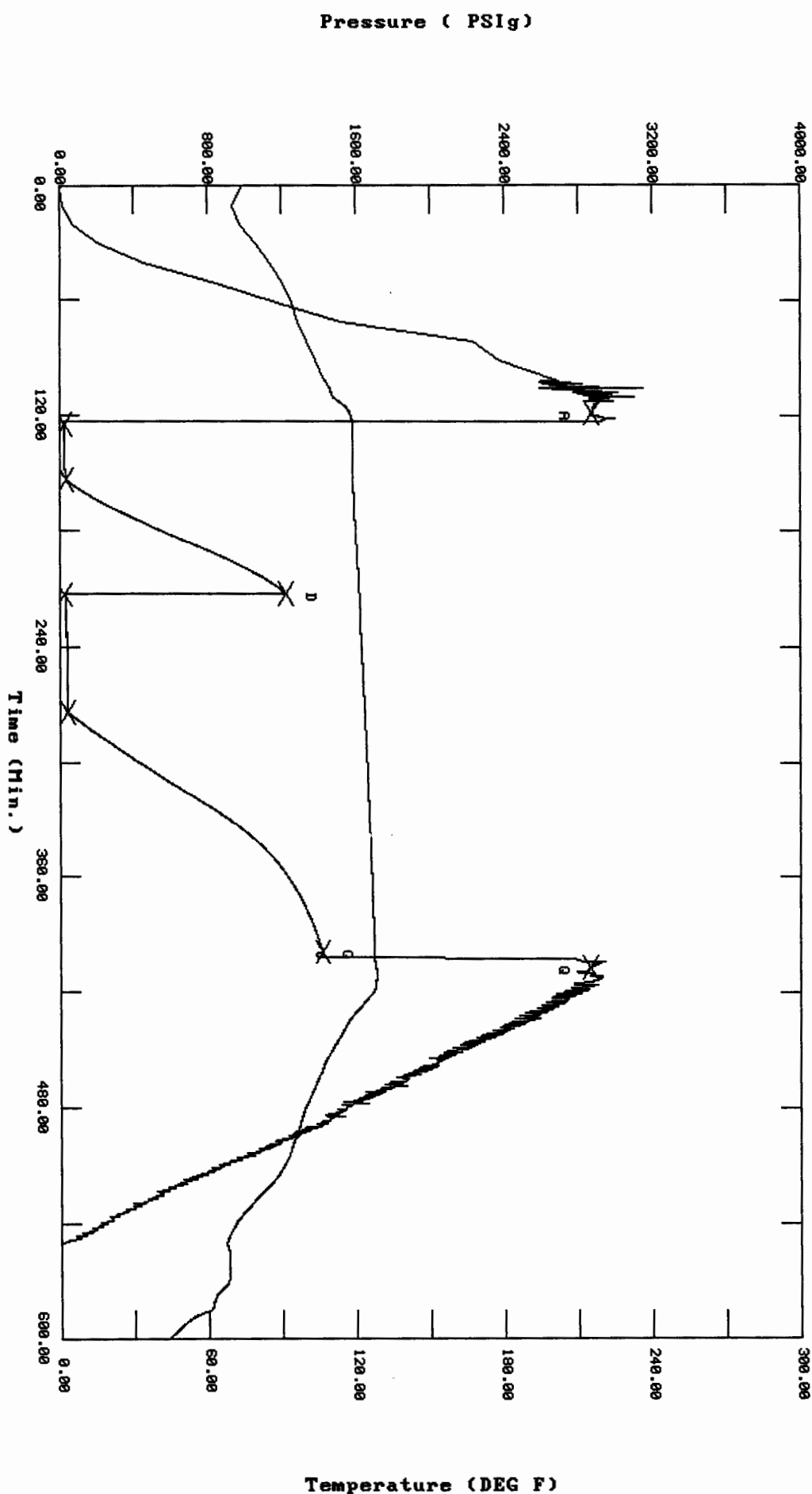
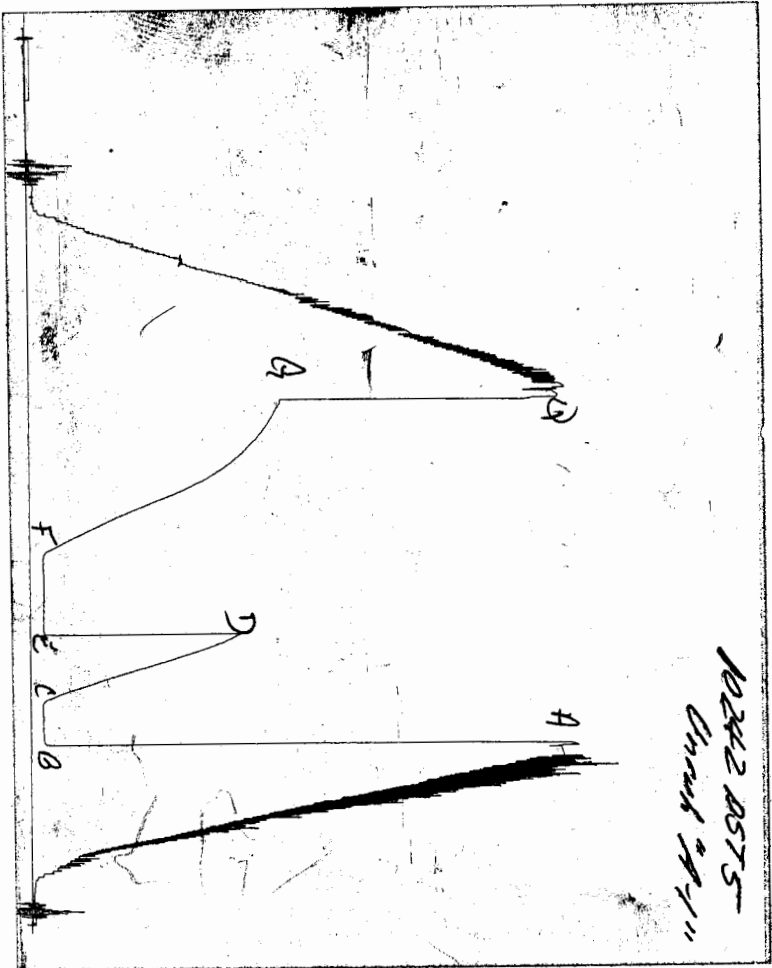


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12524

Well Name & No.	<u>Unsub "A-1"</u>	Test No.	<u>5</u>	Date	<u>3-16-00</u>
Company	<u>Daystar Pet. Inc.</u>	Zone Tested	<u>St. Louis "C"</u>		
Address	<u>Valley Center Ks. 67147</u>	Elevation	<u>2801</u>	KB	<u>2790</u> GL
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Martin Rig 22</u>	Est. Ft. of Pay	<u>16</u> Por. <u>12</u> %
Location: Sec.	<u>24</u>	Twp.	<u>31S</u>	Rge.	<u>31W</u> Co. <u>Seamed</u> State <u>Ks.</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) _____

Interval Tested	<u>5915-5940</u>	Initial Str Wt./Lbs.	<u>88,000</u>	Unseated Str Wt./Lbs.	<u>88,000</u>
Anchor Length	<u>25'</u> <u>Tool = 27'</u>	Wt. Set Lbs.	<u>23,000</u>	Wt. Pulled Loose/Lbs.	<u>4,000</u>
Top Packer Depth	<u>5910</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>5915</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5940</u>	Wt. Pipe Run	<u>85.5</u>	Drill Collar Run	<u>570</u>
Mud Wt.	<u>9.3</u> LCM <u>2#</u> Vis. <u>5.3</u> WL <u>6.4</u>	Drill Pipe Size	<u>4 1/2 xH</u>	Ft. Run	<u>5337</u> <u>19' up</u>
Blow Description <u>Work 1/2" built to string OBB in 21 min. F.F.P.</u>					
<u>No blow-back. F.S.T.P.</u>					
<u>String in mud & throughout F.F.P.</u>					
<u>No blow-back. F.S.T.P.</u>					

Recovery — Total Feet	<u>55</u>	GIP	<u>985</u>	Ft. in DC	<u>55</u>	Ft. in DP	<u>0</u>
Rec.	<u>55</u>	Feet Of	<u>Mud and Gassy Oil</u>	%gas	<u>64</u>	%oil	<u>30</u>
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	<u>127</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u>
RW	<u>—</u>	@	<u>—</u>	°F Chlorides	<u>—</u>	ppm Recovery	Chlorides <u>2,800</u> ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2970</u>	<u>2835</u>	PSI	Recorder No.	<u>3017 '09:00"</u>	T-On Location <u>6:30 AM</u>
(B) First Initial Flow Pressure	<u>58</u>	<u>19</u>	PSI	(depth)	<u>5917</u>	T-Started <u>9:10 AM</u>
(C) First Final Flow Pressure	<u>58</u>	<u>26</u>	PSI	Recorder No.	<u>10242</u>	T-Open <u>11:05 AM</u>
(D) Initial Shut-In Pressure	<u>1212</u>	<u>1221</u>	PSI	(depth)	<u>5937</u>	T-Pulled <u>3:35 PM</u>
(E) Second Initial Flow Pressure	<u>65</u>	<u>17</u>	PSI	Recorder No.	<u>—</u>	T-Out <u>7:30 PM</u>
(F) Second Final Flow Pressure	<u>65</u>	<u>37</u>	PSI	(depth)	<u>—</u>	T-Off Location
(G) Final Shut-in Pressure	<u>1433</u>	<u>1418</u>	PSI	Initial Opening	<u>30</u>	Test <u>800</u> ✓
(Q) Final Hydrostatic Mud	<u>2938</u>	<u>2861</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

31600900.017
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Approved By Tim Pierce

Our Representative Ernie J. Salzman

Extra Packer
Elec. Rec. 150 ✓
Mileage
Other 3 Hrs. 20
TOTAL PRICE \$ 4290.00

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum Inc.

DATE 3-17-00

WELL NAME: Unruh "A-1"

KB 2801.00 ft

TICKET NO: 12525 DST #6

LOCATION : 24-31S-31W Seward co KS

GR 2790.00 ft

FORMATION: St. Louis "D"

INTERVAL : 5934.00 To 5960.00 ft

TD 6070.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017	13630		PF Fr. 2255 to 2325 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	4625.0	0.0	IS Fr. 2325 to 0025 hr
SF 30 Clock(hrs)	12 HR	12 HR	Elect	12 HR		SF Fr. 0025 to 0055 hr
FS 60 Depth(ft)	5954.0	5954.0	5936.0	6067.0	0.0	FS Fr. 0055 to 0155 hr

	Field	1	2	3	4	
A. Init Hydro	2913.0	3033.0	2863.0	0.0	0.0	T STARTED 2055 hr
B. First Flow	11.0	20.0	16.0	0.0	0.0	T ON BOTM 2252 hr
B1. Final Flow	11.0	20.0	19.0	0.0	0.0	T OPEN 2255 hr
C. In Shut-in	16.0	22.0	49.0	0.0	0.0	T PULLED 0155 hr
D. Init Flow	11.0	22.0	18.0	0.0	0.0	T OUT 0545 hr
E. Final Flow	11.0	22.0	19.0	0.0	0.0	
F. Fl Shut-in	11.0	22.0	38.0	0.0	0.0	TOOL DATA-----
3. Final Hydro	2850.0	2903.0	2819.0	0.0	0.0	Tool Wt. 3300.00 lbs
Inside/Outside	I	I	I	I		Wt Set On Packer 28000.00 lbs
						Wt Pulled Loose 22000.00 lbs
						Initial Str Wt 88000.00 lbs
						Unseated Str Wt 88000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 570.00 ft
						D.P. Length 5367.00 ft

RECOVERY

Tot Fluid 3.00 ft of 3.00 ft in DC and 0.00 ft in DP
 3.00 ft of Oil spotted Mud
 0.00 ft of 100% 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:

Surface blow died in 16 minutes.

Final Flow:

No blow.

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	58.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	Good
% Porosity	7.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Tim Pierce
Contr.	Murfin
Rig #	22
Unit #	
Pump T.	

AMPLES: None

ENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV-STRADDLE

WELL NAME: Unruh "A-1"

LOCATION : 24-31S-31W Seward co KS

TICKET No. 12525 D.S.T. No. 6 DATE 3-17-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 16

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 69

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1
35	1	1	1
36	1	1	1
37	1	1	1
38	1	1	1
39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
45	1	1	1
46	1	1	1
47	1	1	1
48	1	1	1
49	1	1	1
50	1	1	1
51	1	1	1
52	1	1	1
53	1	1	1
54	1	1	1
55	1	1	1
56	1	1	1
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60	1	1	1
61	1	1	1
62	1	1	1
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89	1	1	1
90	1	1	1
91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

D.P. ANCHOR STND.Stands	1 Single	1 Total	94
-------------------------	----------	---------	----

TOTAL ASSEMBLY 163

D.C. ABOVE TOOLS.Stands 9 Single 1 Total 570

D.P. ABOVE TOOLS.Stands 86 Single Total 5367

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6100

TOTAL DEPTH 6070

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

Established 2' of pay.

Bottom packer held.

P.O. SUB Cir. sub	5847
C.O. SUB Top of tool	5907
Double pin	5908
S.I. TOOL H&T	5913

HMV Sterling	5918
--------------	------

JARS Bowen	5923
------------	------

SAFETY JOINT Bowen 5925

PACKER Sparton 5930

PACKER Sparton 5934

DEPTH		
1 ft.		5935

ANCHOR Rec. sub 5936

Alpine 5936

Pu. sub 5941

AK-1 5954

16 ft. perfs	5957
--------------	------

Blank 5957

3 ft. of packer	5960
-----------------	------

PACKER Sparton "Center" 5960

2 ft. of packer	5962
-----------------	------

10 ft. perfs 5972

Co. sub 5973

1 std 1 jt DP 94' 6067

AK-1 6067

Co. sub 6068

BULLNOSE 2 ft. perf

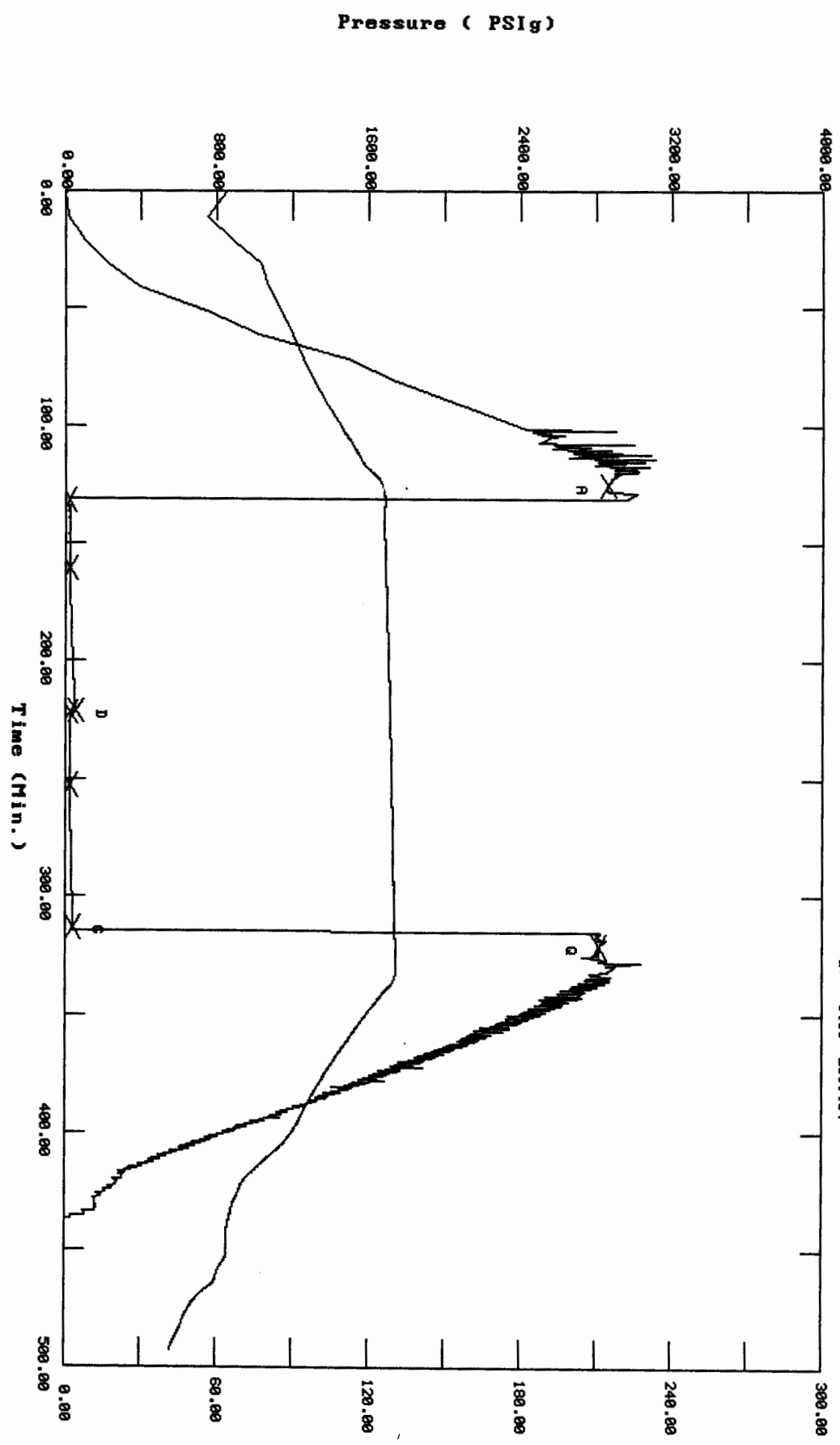
T.D. 6070

12525 D.S.T.#6 Unruh "A-1" Daystar Petroleum, Inc.

TEST HISTORY

Flag Points

t(Min.)	Px PSig)
R: 0.00	2863.24
B: 0.00	16.87
C: 29.25	19.29
D: 60.50	49.79
E: 0.00	18.41
F: 30.75	19.59
G: 60.25	38.58
Q: 0.00	2819.64

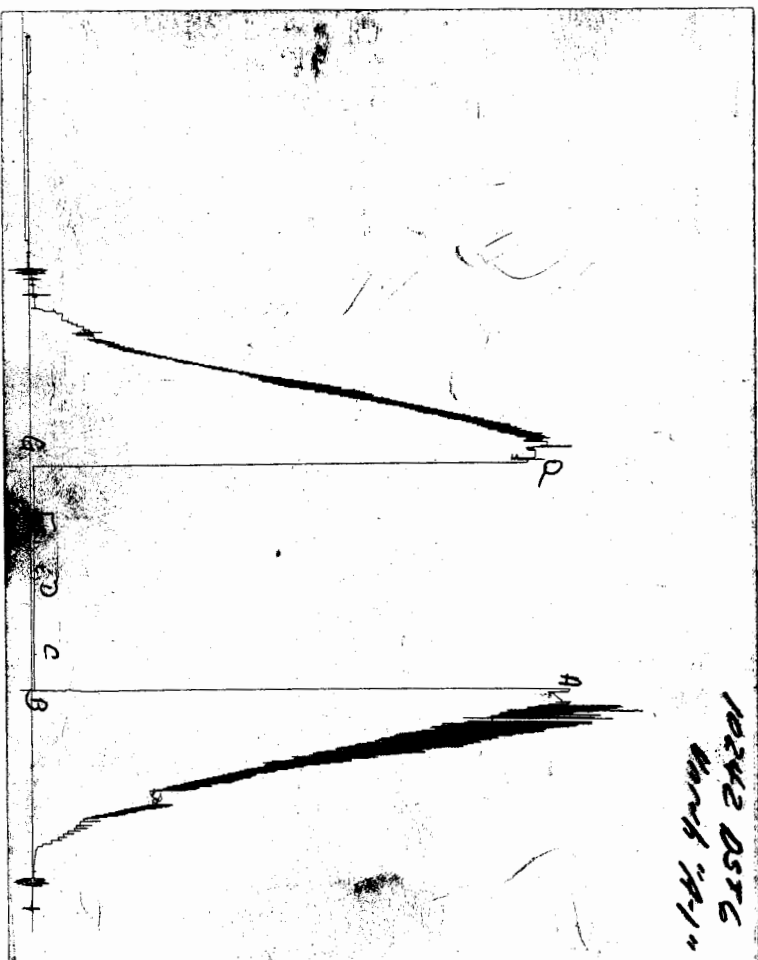


Temperature (DEG F)

Pressure (PSig)

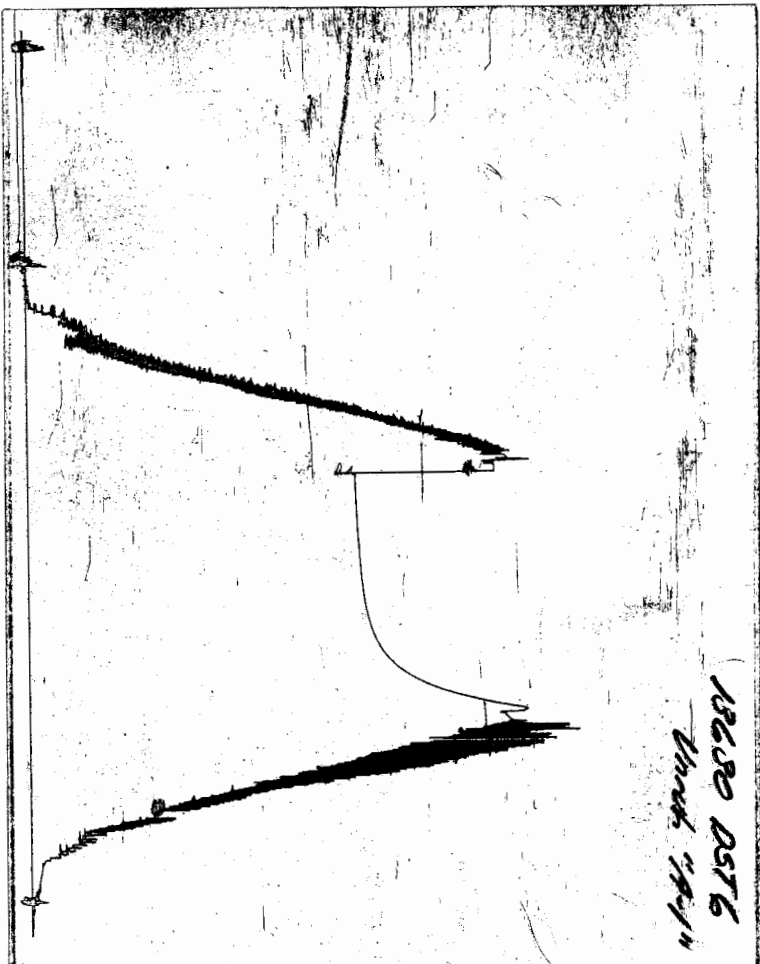
Time (Min.)

CHART PAGE



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

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

Test Ticket

Nº 12525

Well Name & No.	<u>Uacub "A-1"</u>	Test No.	<u>6</u>	Date	<u>3-17-00</u>
Company	<u>Daystar Petr. Inc.</u>	Zone Tested	<u>St. Louis "D"</u>		
Address	<u>Valley Center KS 67147</u>	Elevation	<u>2801</u>	KB	<u>2790</u> GL
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Martin R. 22</u>	Est. Ft. of Pay	<u>2</u> Por. <u>7</u> %
Location: Sec.	<u>24</u>	Twp.	<u>31.5</u>	Rge.	<u>31W</u> Co. <u>Seward</u> State <u>KS</u>
No. of Copies	<u>8</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u></u>

Interval Tested	<u>5934-5960</u>	Initial Str Wt./Lbs.	<u>88,000</u>	Unseated Str Wt./Lbs.	<u>88,000</u>
Anchor Length	<u>26'</u> Tail= <u>110'</u> Tail= <u>27'</u>	Wt. Set Lbs.	<u>28,000</u>	Wt. Pulled Loose/Lbs.	<u>22,000</u>
Top Packer Depth	<u>5929</u>	Tool Weight	<u>3,200</u>		
Bottom Packer Depth	<u>5934</u> <u>St. Louis</u> = <u>5960</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>6070</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>570</u>
Mud Wt.	<u>9.2</u> LCM <u>2#</u> Vis. <u>58</u> WL <u>64</u>	Drill Pipe Size	<u>4 1/2 KH</u>	Ft. Run	<u>5367</u> <u>30' up</u>
Blow Description	<u>Surface blow, died in 16 min. T.E.P.</u>				

No blow. F.E.P.

Recovery — Total Feet	<u>3</u>	GIP	<u>0</u>	Ft. in DC	<u>3</u>	Ft. in DP	<u>0</u>
Rec.	<u>3</u>	Feet Of	<u>Oil spotted mud</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
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>130</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u> °API
RW	<u>—</u>	@	<u>—</u>	°F Chlorides	<u>—</u>	ppm Recovery	Chlorides <u>2,500</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2913</u>	<u>2863</u>	PSI Recorder No.	<u>3017 "20=43"</u>	T-On Location <u>6:45 A.M.</u>
(B) First Initial Flow Pressure	<u>11</u>	<u>16</u>	PSI (depth)	<u>5936</u>	T-Started <u>8:55 A.M.</u>
(C) First Final Flow Pressure	<u>11</u>	<u>19</u>	PSI Recorder No.	<u>10242</u>	T-Open <u>10:55 A.M.</u>
(D) Initial Shut-In Pressure	<u>16</u>	<u>49</u>	PSI (depth)	<u>5954</u>	T-Pulled <u>1:55 A.M.</u>
(E) Second Initial Flow Pressure	<u>11</u>	<u>18</u>	PSI Recorder No.	<u>13630</u>	T-Out <u>5:45 A.M.</u>
(F) Second Final Flow Pressure	<u>11</u>	<u>19</u>	PSI (depth)	<u>6067</u>	T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>11</u>	<u>38</u>	PSI Initial Opening	<u>30</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2850</u>	<u>2819</u>	PSI Initial Shut-in	<u>60</u>	Jars <u>200</u> ✓
			Final Flow	<u>30</u>	Safety Joint <u>150</u> ✓
			Final Shut-in	<u>60</u>	Straddle <u>250</u> ✓

31702043-017
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Approved By Tim Pierce

Our Representative Henry S. Salazar

Circ. Sub/ —
Sampler —
Extra Packer 150 ✓
Elec. Rec. 150 ✓
Mileage —
Other 1 Hr. 30
TOTAL PRICE \$ 4,230.00