

15-095-21763

TRILOBITE TESTING L.L.C.

18-30s-6w

OPERATOR : Marland E. Bergman

DATE 3-7-00

WELL NAME: M. Reida #5

KB 1441.00 ft

TICKET NO: 12124

DST #1

LOCATION : 18-30s-6w Kingman co KS

GR 1432.00 ft

FORMATION: Lansing G

INTERVAL : 3664.00 To 3680.00 ft

TD 3680.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248				PF Fr. 0805 to 0835 hr
SI 60 Range(Psi)	4400.0	4400.0	0.0	0.0	0.0	IS Fr. 0835 to 0935 hr
SF 60 Clock(hrs)	12	12				SF Fr. 0935 to 1035 hr
FS 120 Depth(ft)	3677.0	3677.0	0.0	0.0	0.0	FS Fr. 1035 to 1235 hr

	Field	1	2	3	4	
A. Init Hydro	1723.0	1729.0	0.0	0.0	0.0	T STARTED 0540 hr
B. First Flow	21.0	35.0	0.0	0.0	0.0	T ON BOTM 0800 hr
B1. Final Flow	21.0	35.0	0.0	0.0	0.0	T OPEN 0805 hr
C. In Shut-in	1338.0	1322.0	0.0	0.0	0.0	T PULLED 1236 hr
D. Init Flow	23.0	45.0	0.0	0.0	0.0	T OUT 0220 hr
E. Final Flow	28.0	45.0	0.0	0.0	0.0	
F. Fl Shut-in	1331.0	1315.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1668.0	1709.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 47000.00 lbs
						Unseated Str Wt 47000.00 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 0.00 ft
						D.P. Length 3649.00 ft

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP
 190.00 ft of Gas in pipe
 15.00 ft of Slightly oil cut watery mud
 0.00 ft of 6% oil 24% water 70% mud
 35.00 ft of Slightly oil cut muddy water
 0.00 ft of 3% oil 75% water 22% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 57000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow. 1/2" to 2 1/2"
 Initial Shut-In:
 No blow.

Final Flow:
 Weak blow. 1" to 5 1/2".
 Final Shut-In:
 No blow.

SAMPLES:

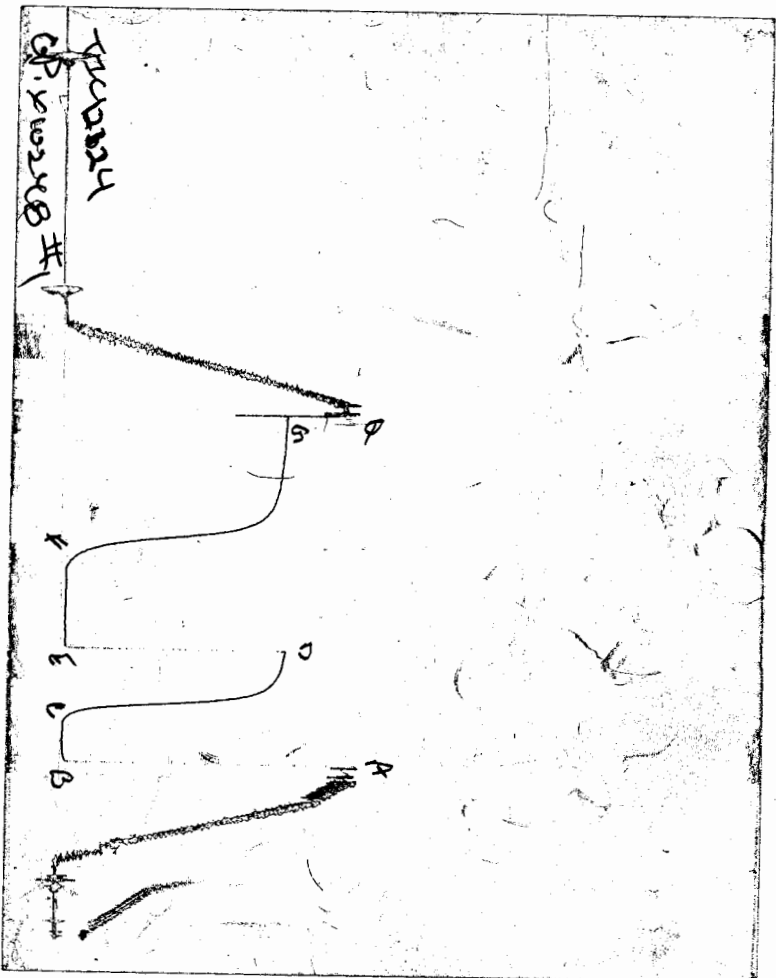
SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 46.00 S/L
 W.L. 12.00 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 1140.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Gary Pevoteaux
 Co. Rep. Harold Trapp
 Contr. Duke Drilling
 Rig # 4
 Unit #
 Pump T.

Test Successful: Y

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

N^o 12124

Test Ticket

Well Name & No. <u>M. REINA #5</u>	Test No. <u>1</u>	Date <u>3-7-2000</u>
Company <u>MARLAND E. BERGMAN</u>	Zone Tested <u>LANS. G</u>	
Address <u>105 E. 9TH, HARPER KS. 67058</u>	Elevation <u>1441</u> KB <u>1432</u> GL	
Co. Rep / Geo. <u>HAROLD TRAPP</u>	Cont. <u>DUKE DRUG-III</u>	Est. Ft. of Pay <u>6</u> Por. <u> </u> %
Location: Sec. <u>18</u> Twp. <u>30^S</u> Rge. <u>6^W</u>	Co. <u>KINGMAN</u> State <u>KS.</u>	
No. of Copies <u>5</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>yes</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>3664-3680'</u>	Initial Str Wt/Lbs. <u>47,000</u>	Unseated Str Wt/Lbs. <u>47,000</u>
Anchor Length <u>16'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>3659'</u>	Tool Weight <u>2100#</u>	
Bottom Packer Depth <u>3664'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3680'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>NONE</u>
Mud Wt. <u>9.0</u> LCM <u>~</u> Vis. <u>46</u> WL <u>120cc</u>	Drill Pipe Size <u>4 1/2" XH.</u>	Ft. Run <u>3649'</u>
Blow Description <u>Wash below. (1/2 - 2 1/2")</u>	ISI: <u>No blow.</u>	

FF: Wash below. (1 - 5 1/2") FSI: No blow.

Recovery — Total Feet <u>50 Fluid GIP 190'</u>	Ft. in DC <u>~</u>	Ft. in DP <u>50</u>
Rec. <u>15</u> Feet Of <u>S.O.C.W.M.</u>	%gas <u>6</u> %oil <u>24</u> %water <u>70</u> %mud	
Rec. <u>35</u> Feet Of <u>S.O.C.M.W.</u>	%gas <u>3</u> %oil <u>75</u> %water <u>22</u> %mud	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
BHT <u>114</u> °F Gravity <u>N/A</u> °API D ₄₀ <u>~</u>	°F Corrected Gravity <u>N/A</u> °API	
RW <u>0.16</u> @ <u>61</u> °F Chlorides <u>57,000</u> ppm Recovery	Chlorides <u>5,000</u> ppm System	

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1723</u>		PSI Recorder No. <u>10290</u>	T-On Location <u>0400</u>
(B) First Initial Flow Pressure	<u>21</u>		PSI (depth) <u>3672'</u>	T-Started <u>0540</u>
(C) First Final Flow Pressure	<u>21</u>		PSI Recorder No. <u>10248</u>	T-Open <u>0805</u>
(D) Initial Shut-In Pressure	<u>1338</u>		PSI (depth) <u>3677'</u>	T-Pulled <u>1236</u>
(E) Second Initial Flow Pressure	<u>23</u>		PSI Recorder No. <u> </u>	T-Out <u>0220</u>
(F) Second Final Flow Pressure	<u>28</u>		PSI (depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1331</u>		PSI Initial Opening <u>30</u>	Test <u>✓</u> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1668</u>		PSI Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>
			Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
			Final Shut-in <u>120</u>	Straddle <u> </u>
			<u> </u>	Circ. Sub <u> </u>
			<u> </u>	Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u> </u>
				Other <u>STAND</u> <u>✓</u> <u>60</u>
				TOTAL PRICE \$ <u>✓</u> <u>910.00</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 [Signature]

Our Representative [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Marland E. Bergman

DATE 3-9-00

WELL NAME: M. Reida #5

KB 1441.00 ft

TICKET NO: 12125 DST #2

LOCATION : 18-30s-6w Kingman co KS

GR 1432.00 ft

FORMATION: Mississippi

INTERVAL : 4085.00 To 4106.00 ft

TD 4106.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248				PF Fr. 0400 to 0430 hr
SI 60 Range(Psi)	4400.0	4400.0	0.0	0.0	0.0	IS Fr. 0430 to 0530 hr
SF 45 Clock(hrs)	12	12				SF Fr. 0530 to 0615 hr
FS 90 Depth(ft)	4103.0	4103.0	0.0	0.0	0.0	FS Fr. 0615 to 0745 hr

	Field	1	2	3	4	
A. Init Hydro	1957.0	1981.0	0.0	0.0	0.0	T STARTED 0150 hr
B. First Flow	141.0	183.0	0.0	0.0	0.0	T ON BOTM 0355 hr
B1. Final Flow	198.0	221.0	0.0	0.0	0.0	T OPEN 0400 hr
C. In Shut-in	1028.0	1030.0	0.0	0.0	0.0	T PULLED 0745 hr
D. Init Flow	184.0	217.0	0.0	0.0	0.0	T OUT 0935 hr
E. Final Flow	200.0	240.0	0.0	0.0	0.0	
F. Fl Shut-in	1021.0	1034.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1887.0	1939.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 50600.00 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 0.00 ft
						D.P. Length 4087.00 ft

RECOVERY

Tot Fluid 130.00 ft of 0.00 ft in DC and 130.00 ft in DP
 0.00 ft of Gas in pipe
 130.00 ft of Muddy water
 0.00 ft of 74% water 26% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 98000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow. Bottom of bucket in 10 seconds. Gas to surface in 4 1/2 minutes. See gas volume report.

Initial Shut-In:

Weak blow.

Final Flow:

Strong blow. See gas volume report.

Final Shut-In:

Weak to very weak blow.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	60.00 S/L
W.L.	15.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1240.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Harold Trapp
Contr.	Duke Drilling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Marland E. Bergman

DATE: 3-9-00

WELL NAME: M. Reida #5

KB Elev: 1441.00 ft TICKET #12125 DST #2

WELL LOCATION: 18-30s-6w Kingman co KS

GR Elev: 1432.00 ft FORMATION: Mississippi

INTERVAL Fr.: 4085.00 To 4106.00 T.D.: 4106.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

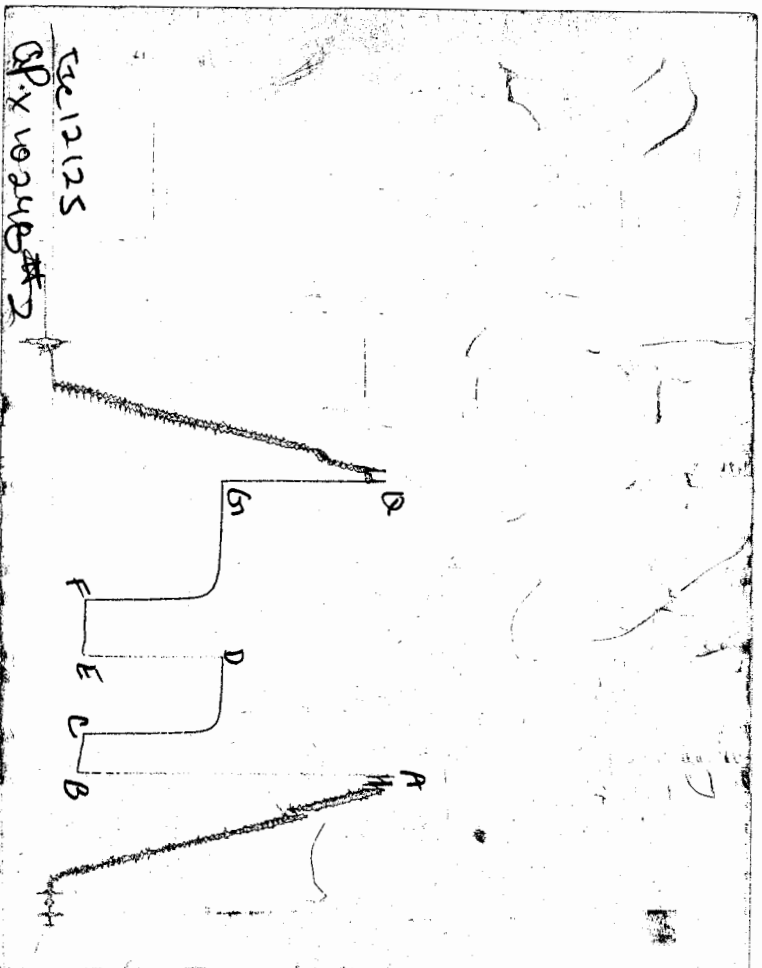
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
4	0.75	0	0	0.0
10	0.75	17	0	459.5
20	0.75	35	0	721.2
30	0.75	40	0	793.9

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	40	0	793.9
20	0.75	47	0	893.2
30	0.75	48	0	907.7
40	0.75	49	0	922.2
45	0.75	50	0	936.7

CHART PAGE



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



GAS VOLUME REPORT

MARLAND E. BERGMAN

OPERATOR

REIDA #5

WELL NAME AND NO.

2
DST NO

INITIAL OPEN

FINAL OPEN

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12125

Test Ticket

Well Name & No. M. REIDA #5 Test No. 2 Date 3-9-2000
 Company MARLAND E. BEIZEMAN Zone Tested MISS
 Address 705 E. 9TH, HARPER KS. 67058 Elevation 1441 KB 1432GL
 Co. Rep / Geo. HAROLD TRAPP Cont. DUKE DRUG #4 Est. Ft. of Pay Por. %
 Location: Sec. 18 Twp. 30^s Rge. 6^w Co. KANSAS State KS.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) yes Evaluation (Y, N)

Interval Tested 4085 - 4106' Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,600
 Anchor Length 21' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 62,000
 Top Packer Depth 4080' Tool Weight 2100^{lb}
 Bottom Packer Depth 4085' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4106' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.0 LCM TR Vis. 1.0 WL 15.2 Drill Pipe Size 4 1/2" XH. Ft. Run 4087'
 Blow Description IF: Strong below BOB in 10 secs. GTS in 4 1/2 mins.
(see gas volume report) ISI: weak below.
FF: Strong below (see gas volume report) FSI: Weak to
very weak below.

Recovery — Total Feet 130 Fluid GIP yes Ft. in DC Ft. in DP 130'
 Rec. 130 Feet Of M.W. %gas %oil 74 %water 26 %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 124 °F Gravity N/A °API D₄₀ °F Corrected Gravity N/A °API
 RW 0.11 @ 56 °F Chlorides 98,000 ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1957</u>		PSI Recorder No. <u>13789</u>	T-On Location <u>0135</u>
(B) First Initial Flow Pressure	<u>141</u>		PSI (depth) <u>4098'</u>	T-Started <u>0150</u>
(C) First Final Flow Pressure	<u>198</u>		PSI Recorder No. <u>10248</u>	T-Open <u>0400</u>
(D) Initial Shut-In Pressure	<u>1028</u>		PSI (depth) <u>4103'</u>	T-Pulled <u>0747</u>
(E) Second Initial Flow Pressure	<u>184</u>		PSI Recorder No. <u> </u>	T-Out <u>0935</u>
(F) Second Final Flow Pressure	<u>200</u>		PSI (depth) <u> </u>	T-Off Location <u>1050</u>
(G) Final Shut-in Pressure	<u>1021</u>		PSI Initial Opening <u>30</u>	Test <u>✓</u> <u>700^{oc}</u>
(Q) Final Hydrostatic Mud	<u>1887</u>		PSI Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200^{oc}</u>
			Final Flow <u>45</u>	Safety Joint <u>✓</u> <u>50^{oc}</u>
			Final Shut-in <u>90</u>	Straddle <u> </u>
			<u>4</u>	Circ. Sub <u> </u>
			<u>1</u>	Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u> </u>
				Other <u> </u>

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Approved By Harold Trapp

Our Representative Craig Matthews

TOTAL PRICE \$ ✓ 950⁰⁰

TRILOBITE TESTING L.L.C.

OPERATOR : Marland E. Bergman

DATE 3-10-00

WELL NAME: M. Reida #5

KB 1441.00 ft

TICKET NO: 12776

DST #3

LOCATION : 18-30s-6w Kingman co KS

GR 1432.00 ft

FORMATION: Simpson

INTERVAL : 4484.00 To 4502.00 ft

TD 4502.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10290	10290				PF Fr. 2235 to 2305 hr
SI 60 Range(Psi)	4250.0	4250.0	0.0	0.0	0.0	IS Fr. 2305 to 0005 hr
SF 45 Clock(hrs)	12	12				SF Fr. 0005 to 0050 hr
FS 90 Depth(ft)	4494.0	4494.0	0.0	0.0	0.0	FS Fr. 0050 to 0220 hr

	Field	1	2	3	4	
A. Init Hydro	2151.0	2251.0	0.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	20.0	81.0	0.0	0.0	0.0	T ON BOTM 2230 hr
Bl. Final Flow	60.0	91.0	0.0	0.0	0.0	T OPEN 2235 hr
C. In Shut-in	1686.0	1690.0	0.0	0.0	0.0	T PULLED 0222 hr
D. Init Flow	71.0	126.0	0.0	0.0	0.0	T OUT 0450 hr
E. Final Flow	121.0	143.0	0.0	0.0	0.0	
F. Fl Shut-in	1686.0	1683.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2096.0	2138.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 54000.00 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 0.00 ft
						D.P. Length 4462.00 ft

RECOVERY

Tot Fluid 235.00 ft of 0.00 ft in DC and 235.00 ft in DP
 190.00 ft of Gas in pipe.
 50.00 ft of Gas cut watery mud
 0.00 ft of 15% gas 20% water 65% mud
 185.00 ft of Muddy water
 0.00 ft of 96% water 4% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 116000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Fair to strong blwo. bottom of bucket
 in 9 minutes.
 Initial Shut-In:
 No blow.

Final Flow:
 Fair to strong blow. Bottom of bucket
 in 26 minutes.

Final Shut-In:
 No blow.

SAMPLES:

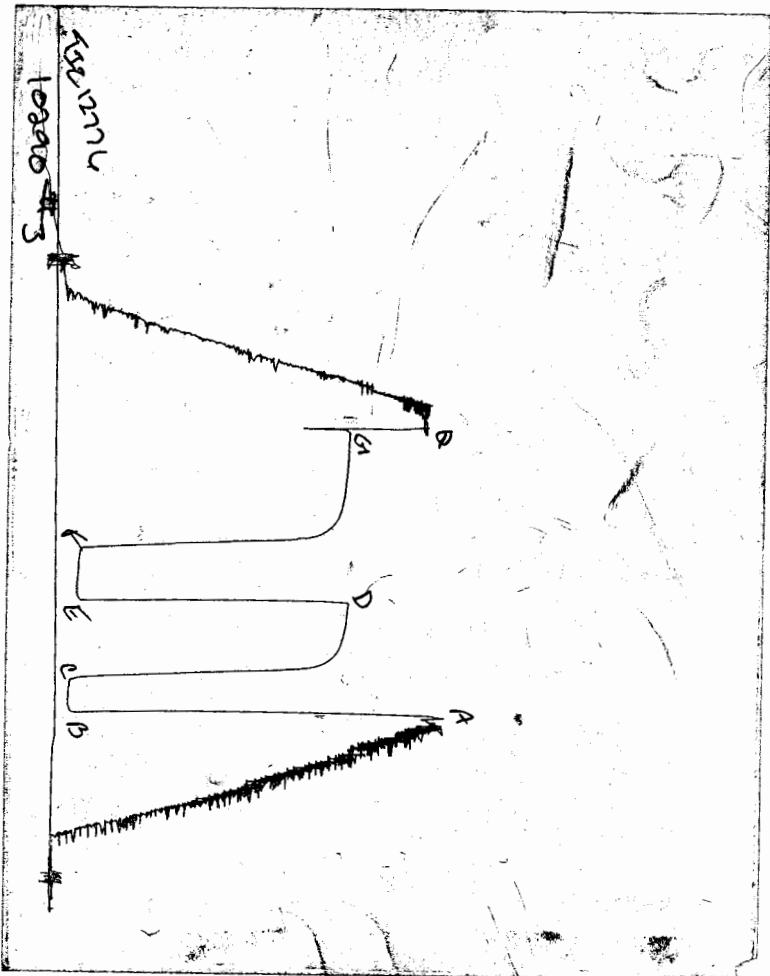
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	53.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1270.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Harold Trapp
Contr.	Duke Drilling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

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 12776

Well Name & No.	<u>M. REIDA #5</u>	Test No.	<u>3</u>	Date	<u>3-10-2000</u>
Company	<u>MARLAND E. BERGMAN</u>	Zone Tested	<u>SIMPSON</u>		
Address	<u>705 E 9TH, HARPER KS. 67056</u>	Elevation	<u>1441</u>	KB	<u>1432</u> GL
Co. Rep / Geo.	<u>HAROLD TRAPP</u>	Cont.	<u>DUKE DRUG #4</u>	Est. Ft. of Pay	<u>3</u> Por. <u> </u> %
Location: Sec.	<u>18</u>	Twp.	<u>30S</u>	Rge.	<u>6W</u> Co. <u>KINGMAN</u> State <u>Ks</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>yes</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4484 - 4502'</u>	Initial Str Wt./Lbs.	<u>53000</u>	Unseated Str Wt./Lbs.	<u>54000</u>
Anchor Length	<u>18'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>65,000</u>
Top Packer Depth	<u>4479'</u>	Tool Weight	<u>2100#</u>		
Bottom Packer Depth	<u>4484'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>4502'</u>	Wt. Pipe Run	<u>None</u>	Drill Collar Run	<u>None</u>
Mud Wt.	<u>9.1</u> LCM <u>Tr. Vis. 53</u> WL <u>8.8 cc.</u>	Drill Pipe Size	<u>4 1/2" x H.</u>	Ft. Run	<u>4462'</u>
Blow Description	<u>IF: Fair to strong blow. B.O.B. in 9 mins.</u>				
	<u>ISI: No blow.</u>				
	<u>FF: Fair to strong blow. B.O.B. in 24 mins. FSI: No blow.</u>				

Recovery — Total Feet	<u>235</u>	Fluid	GIP	<u>190</u>	Ft. in DC	<u> </u>	Ft. in DP	<u>235</u>
Rec.	<u>50</u>	Feet Of	<u>GLWM</u>		15 %gas	%oil	20 %water	65 %mud
Rec.	<u>185</u>	Feet Of	<u>MW.</u>		%gas	%oil	96 %water	4 %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>127</u>	°F Gravity	<u>N/A</u>	°API D@	<u> </u>	°F Corrected Gravity	<u>N/A</u>	°API
RW	<u>.07</u>	@	<u>75</u>	°F Chlorides	<u>116,000</u>	ppm Recovery	Chlorides	<u>7,000</u> ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2151</u>		PSI Recorder No.	<u>10290</u>	T-On Location	<u>1920</u>
(B) First Initial Flow Pressure	<u>20</u>		PSI (depth)	<u>4494'</u>	T-Started	<u>2000</u>
(C) First Final Flow Pressure	<u>60</u>		PSI Recorder No.	<u>10248</u>	T-Open	<u>2235</u>
(D) Initial Shut-In Pressure	<u>1686</u>		PSI (depth)	<u>4499'</u>	T-Pulled	<u>0222</u>
(E) Second Initial Flow Pressure	<u>71</u>		PSI Recorder No.	<u> </u>	T-Out	<u>0450</u>
(F) Second Final Flow Pressure	<u>121</u>		PSI (depth)	<u> </u>	T-Off Location	<u>05</u>
(G) Final Shut-in Pressure	<u>1686</u>		PSI Initial Opening	<u>30</u>	Test	<u>✓ 700⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>2096</u>		PSI Initial Shut-in	<u>60</u>	Jars	<u>✓ 200⁰⁰</u>
			Final Flow	<u>45</u>	Safety Joint	<u>✓ 50⁰⁰</u>
			Final Shut-in	<u>90</u>	Straddle	<u> </u>
				<u>4</u>	Circ. Sub	<u> </u>
					Sampler	<u> </u>
					Extra Packer	<u> </u>
					Elec. Rec.	<u> </u>
					Mileage	<u> </u>
					Other	<u> </u>

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Approved By Harold Trapp

Our Representative Harold Trapp

TOTAL PRICE \$ ✓ 950⁰⁰