

15-159-22384

1-20s-7w

TRILOBITE TESTING L.L.C.

OPERATOR : Excalibur Production, Inc
 WELL NAME: Kimball #1
 LOCATION : 1-20S-7W Rice co Kansas
 INTERVAL : 3320.00 To 3360.00 ft

DATE 12/23/200
 KB 1717.00 ft TICKET NO: 13266 DST #1
 GR 1712.00 ft FORMATION: Miss.
 TD 3360.00 ft TEST TYPE: CONVETIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13805	13805	2350			PF Fr. 0540 to 0625 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0625 to 0710 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0710 to 0755 hr
FS 45 Depth(ft)	3357.0	3357.0	3328.0	0.0	0.0	FS Fr. 0755 to 0840 hr

	Field	1	2	3	4	
A. Init Hydro	1769.0	0.0	1738.0	0.0	0.0	T STARTED 0406 hr
B. First Flow	97.0	0.0	23.0	0.0	0.0	T ON BOTM 0537 hr
Bl. Final Flow	86.0	0.0	22.0	0.0	0.0	T OPEN 0540 hr
C. In Shut-in	911.0	0.0	850.0	0.0	0.0	T PULLED 0840 hr
D. Init Flow	118.0	0.0	18.0	0.0	0.0	T OUT 0945 hr
E. Final Flow	86.0	0.0	25.0	0.0	0.0	
F. Fl Shut-in	900.0	0.0	828.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1780.0	0.0	1586.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 45000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 242.41 ft
						D.P. Length 3118.59 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 1514.00 ft of Gas in pipe
 30.00 ft of Very slight gas cut mud 2% gas 98% 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 bottom of bucket
 in 5 minutes

Initial Shutin:

Bled down for 5 minutes - no blow back

Final Flow:

Strong blow - bottom of bucket in
 20 seconds

Final Shutin:

Bled down for 2 minutes - no blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	50.00 S/L
W.L.	11.60 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	101.00 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.	Mallard
Rig #	1
Unit #	none
Pump T.	none

Test Successful: Y

*** TOOL DIAGRAM *** CONVETIONAL

WELL NAME: Kimball #1

LOCATION : 1-20S-7W Rice co Kansas

TICKET No. 13266 D.S.T. No. 1 DATE 12/23/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 9

TOTAL TOOL 30

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 61

D.C. ABOVE TOOLS.Stands4 Single Total 242.41

D.P. ABOVE TOOLS.Stands49 Single 1 Total 3087.59

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3391

TOTAL DEPTH 3360

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

P.O. SUB Top of tool @	3300
C.O. SUB	3301
S.I. TOOL	3306
HMV	3311
JARS	
SAFETY JOINT	
PACKER	3315
PACKER	3320
DEPTH 3320	
1'stubb to	3321
ANCHOR 3' of perms.to	3324
Alpine rec.@ 3328	
31'of drillpipe to	3355
	3355
Ak-1 rec. @ 3357	
BULLNOSE 5'bullnose to	3360
T.D.	

Tk#13266 DST#1 Kimball #1 Excailbur prod, inc.

TEST HISTORY

Flag Points

	t(min.)	P(PSig)
A:	0.00	1738.22
B:	0.00	22.74
C:	44.00	22.23
D:	46.33	849.93
E:	0.00	17.87
F:	43.33	24.92
G:	45.00	828.19
Q:	0.00	1585.89

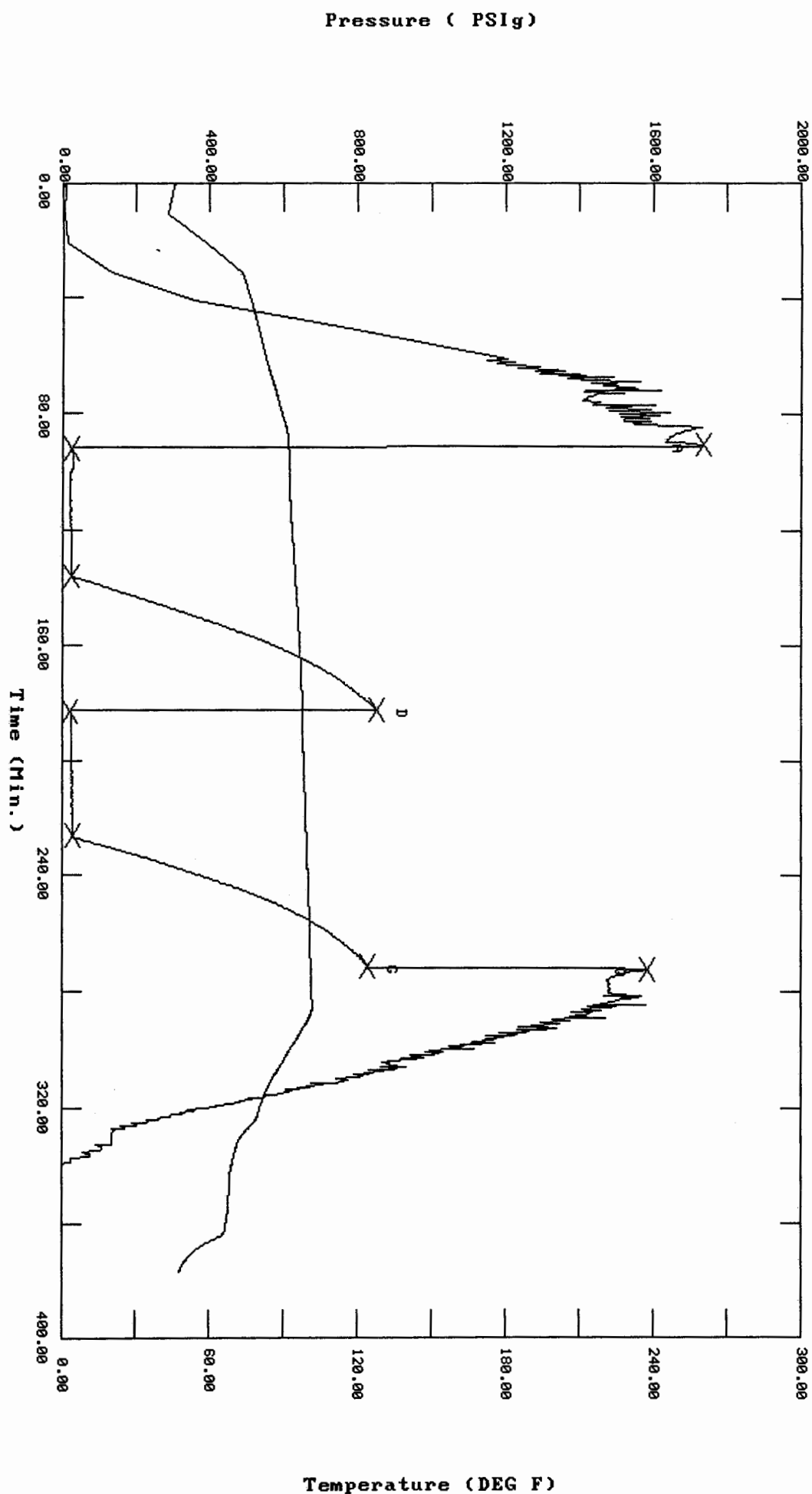
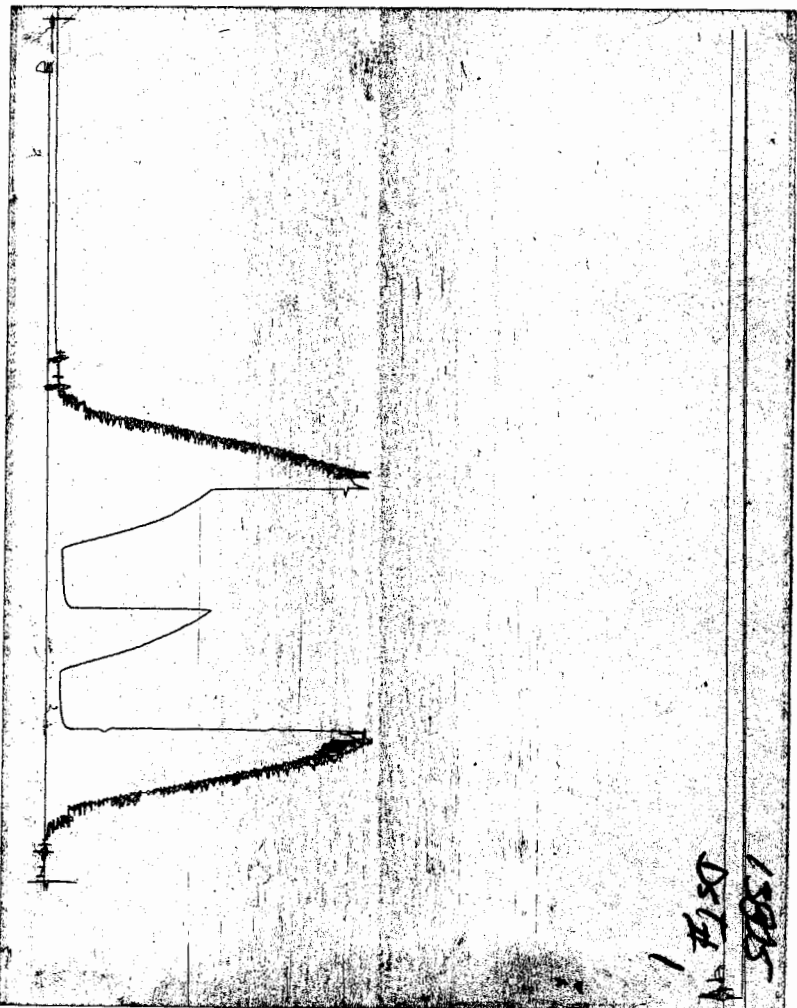


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13266

Test Ticket

Well Name & No.	<u>Kimball #1</u>	Test No.	<u>#1</u>	Date	<u>12/23/00</u>
Company	<u>Excalibur Production Co, Inc.</u>	Zone Tested	<u>M.S.S.</u>		
Address	<u>P.O. Box 278 McPherson, KS 67460-1009</u>	Elevation	<u>1717</u>	KB	<u>1712</u>
Co. Rep / Geo.	<u>Tim Pierce</u>	Cont.	<u>Mallard #1</u>	Est. Ft. of Pay	<u>Por. %</u>
Location: Sec.	<u>1</u>	Twp.	<u>20S</u>	Rge.	<u>7W</u>
		Co.	<u>Rice</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>3320' - 3360'</u>	Initial Str Wt./Lbs.	<u>45000</u>	Unseated Str Wt./Lbs.	<u>45000</u>
Anchor Length	<u>40'</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>50000</u>
Top Packer Depth	<u>3315'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>3320'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>3360</u>	Wt. Pipe Run	<u>1414</u>	Drill Collar Run	<u>242.71</u>
Mud Wt.	<u>9.3</u>	Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>3118.59</u>

Blow Description IF: Weak blow built to b.o.b. in 5 mins.

ISI: Bleed down for 5 mins. No blow back

FF: Strong blow b.o.b. in 10 sec.

FSI: Bleed down for 2 mins. No blow back

Recovery — Total Feet	<u>30'</u>	GIP	<u>1514'</u>	Ft. in DC	<u>30'</u>	Ft. in DP	<u>—</u>
Rec.	<u>30'</u>	Feet Of	<u>1/86cm</u>	%gas	<u>1</u>	%oil	<u>98%</u>
Rec.	<u>1514</u>	Feet Of	<u>Gas In pipe</u>	%gas		%oil	<u>%mud</u>
Rec.		Feet Of		%gas		%oil	<u>%mud</u>
Rec.		Feet Of		%gas		%oil	<u>%mud</u>
Rec.		Feet Of		%gas		%oil	<u>%mud</u>

BHT 101° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 3800 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1769</u>	<u>1738</u>	PSI Recorder No.	<u>2350</u>
(B) First Initial Flow Pressure	<u>97</u>	<u>23</u>	PSI (depth)	<u>3328'</u>
(C) First Final Flow Pressure	<u>86</u>	<u>22</u>	PSI Recorder No.	<u>13805</u>
(D) Initial Shut-In Pressure	<u>911</u>	<u>850</u>	PSI (depth)	<u>3357'</u>
(E) Second Initial Flow Pressure	<u>1186</u>	<u>18</u>	PSI Recorder No.	<u>—</u>
(F) Second Final Flow Pressure	<u>86</u>	<u>25</u>	PSI (depth)	<u>—</u>
(G) Final Shut-in Pressure	<u>900</u>	<u>828</u>	PSI Initial Opening	<u>45</u>
(Q) Final Hydrostatic Mud	<u>1780</u>	<u>1586</u>	PSI Initial Shut-in	<u>45</u>

T-On Location Q320

T-Started 0406

T-Open 0540

T-Pulled 0840

T-Out 0945

T-Off Location 1000

Test ✓ 700

Jars —

Final Flow 45 Safety Joint —

Final Shut-in 45 Straddle —

Circ. Sub —

Sampler —

Extra Packer —

Elec. Rec. ✓ 150

Mileage 8339

Other —

TOTAL PRICE \$ 889

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 S. Brnerine