

WELL NAME

Bird #1-21

COMPANY

Blueridge Petroleum Corp.

LOCATION

21-19s-15w

Barton county Kansas

DATE

6-21-01

TRILOBITE TESTING L.L.C.

OPERATOR : Blueridge Petroleum Corp
WELL NAME: Bird #1-21
LOCATION : 21-19s-15w Barton co KS
INTERVAL : 3429.00 To 3451.00 ft

DATE 6-19-01

KB	1944.00	ft	TICKET NO:	14675	DST #2
GR	1936.00	ft	FORMATION:	LKC	
TD	3451.00	ft	TEST TYPE:	CONV	

RECORDED DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	11085	11085	13547		PF Fr. 1750 to 1820 hr
SI	45	Range(Psi)	4300.0	4300.0	4200.0	0.0	0.0 IS Fr. 1820 to 1905 hr
SF	20	Clock(hrs)	12	12	12		SF Fr. 1905 to 1925 hr
FS	0	Depth(ft)	3442.0	3442.0	3445.0	0.0	0.0 FS Fr. to hr

	Field	1	2	3	4			
A. Init Hydro	1668.0	1688.0	0.0	0.0	0.0	T STARTED	1620	hr
B. First Flow	33.0	39.0	0.0	0.0	0.0	T ON BOTM	1745	hr
B1. Final Flow	33.0	39.0	0.0	0.0	0.0	T OPEN	1750	hr
C. In Shut-in	965.0	966.0	0.0	0.0	0.0	T PULLED	1925	hr
D. Init Flow	43.0	53.0	0.0	0.0	0.0	T OUT	2050	hr
E. Final Flow	43.0	53.0	0.0	0.0	0.0			
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----		
G. Final Hydro	1658.0	1659.0	0.0	0.0	0.0	Tool Wt.	2200.00	lbs
Inside/Outside	0	0	I			Wt Set On Packer	25000.00	lbs

RECOVERY

[illegible]

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	30.00 ft
D.P. Length	3369.00 ft

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

BLOW DESCRIPTION

Initial Flow:
Weak blow throughout 1/2" to 1" blow
Final Flow:
No blow flushed tool

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

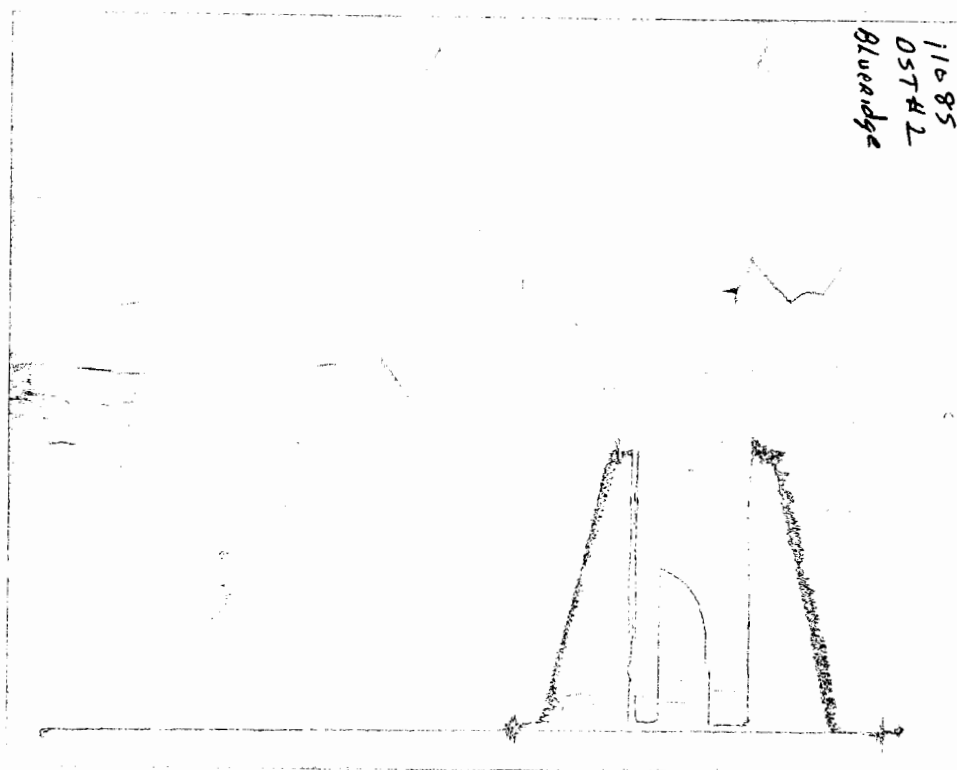
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Ray Schwager
Co. Rep.	Jim Musgrove
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

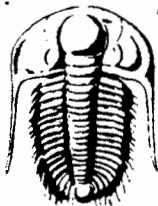
SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14675

Test Ticket

Well Name & No.	<u>Bird #1-21</u>	Test No.	<u>2</u>	Date	<u>6-19-01</u>
Company	<u>Blue Ridge Petroleum Corporation</u>	Zone Tested	<u>LKC</u>		
Address	<u>P.O. Box 385 Ness City, Ks 67560</u>	Elevation	<u>1944</u>	KB/1936	GL
Co. Rep / Geo.	<u>Jim Musgrove</u>	Cont.	<u>Discovery 1192</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>21</u>	Twp.	<u>19^s</u>	Rge.	<u>15^w</u> Co. <u>Barton</u> State <u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>3429-3451</u>	Initial Str Wt./Lbs.	<u>45000</u>	Unseated Str Wt./Lbs.	<u>45000</u>
Anchor Length	<u>22</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>100000</u>
Top Packer Depth	<u>3424</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3429</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3451</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>30</u>
Mud Wt.	<u>9.1</u>	LCM	<u>TR</u>	Vis.	<u>47</u>
		WL	<u>9.6</u>	Drill Pipe Size	<u>4 1/2 XH</u>
Blow Description	<u>IFP - Weak Blow Throughout 1/2" To 1" Blow</u>				
	<u>FFP - No Blow Flushed Tool</u>				

Recovery — Total Feet	<u>35</u>	GIP	<u> </u>	Ft. in DC	<u>30</u>	Ft. in DP	<u>5</u>
Rec.	<u>35</u>	Feet Of	<u>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>104</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>7000</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1668</u>		PSI Recorder No.	<u>11085</u>
(B) First Initial Flow Pressure	<u>33</u>		PSI (depth)	<u>3442</u>
(C) First Final Flow Pressure	<u>33</u>		PSI Recorder No.	<u>13547</u>
(D) Initial Shut-In Pressure	<u>963</u>		PSI (depth)	<u>3445</u>
(E) Second Initial Flow Pressure	<u>43</u>		PSI Recorder No.	<u> </u>
(F) Second Final Flow Pressure	<u>43</u>		PSI (depth)	<u> </u>
(G) Final Shut-in Pressure	<u> </u>		PSI Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>1658</u>		PSI Initial Shut-in	<u>45</u>
			Final Flow	<u>20</u>
			Final Shut-in	<u> </u>

T-On Location	<u>1500</u>
T-Started	<u>1620</u>
T-Open	<u>1750</u>
T-Pulled	<u>1925</u>
T-Out	<u>2050</u>
T-Off Location	<u>2100</u>
Test	<u>700</u>
Jars	<u> </u>
Safety Joint	<u> </u>
Straddle	<u> </u>
Circ. Sub	<u> </u>
Sampler	<u> </u>
Extra Packer	<u> </u>
Elec. Rec.	<u> </u>
Mileage	<u>50</u>
Other	<u> </u>
TOTAL PRICE	<u>750</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

James C. Musgrove
Ray Schwager THANK 909

Our Representative

TRILOBITE TESTING L.L.C.

OPERATOR : Blueridge Petroleum Corp
WELL NAME: Bird #1-21
LOCATION : Z1-19s-15w Barton co KS
INTERVAL : 3506.00 To 3622.00 ft

DATE 6-20-01
KB 1944.00 ft TICKET NO: 14851 DST #3
GR 1936.00 ft FORMATION: Congl. Gorham Sd.
TD 3622.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	11085	11085	13547			PF Fr. 1700 to 1800 hr
SI 45 Range(Psi)	4300.0	4300.0	4200.0	0.0	0.0	IS Fr. 1800 to 1845 hr
SF 45 Clock(hrs)	12	12	12			SF Fr. 1845 to 1930 hr
FS 60 Depth(ft)	3613.0	3613.0	3616.0	0.0	0.0	FS Fr. 1930 to 2030 hr

	Field	1	2	3	4	
A. Init Hydro	1712.0	1716.0	0.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	132.0	138.0	0.0	0.0	0.0	T ON BOTM 1655 hr
B1. Final Flow	176.0	188.0	0.0	0.0	0.0	T OPEN 1700 hr
C. In Shut-in	626.0	614.0	0.0	0.0	0.0	T PULLED 2030 hr
D. Init Flow	253.0	264.0	0.0	0.0	0.0	T OUT 2240 hr
E. Final Flow	462.0	469.0	0.0	0.0	0.0	
F. Fl Shut-in	626.0	633.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1701.0	1697.0	0.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	0	0	0			Wt Set On Packer 2500.00 lbs
						Wt Pulled Loose 140000.00 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 30.00 ft
						D.P. Length 3479.00 ft

RECOVERY

Tot Fluid 110.00 ft of 30.00 ft in DC and 380.00 ft in DP
160.00 ft of Slight oil and gas cut mud
0.00 ft of 3% gas 1% oil 96% mud
250.00 ft of Slight oil and gas cut mud
0.00 ft of 4% gas 4% oil 94% mud
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 Gas to surface in 22 mins
Final Flow:
Gas to surface

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	109.00 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	Ray Schwager
Co. Rep.	Jim Musgrove
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY -----

COMPANY: Blueridge Petroleum Corp DATE: 6-20-01
WELL NAME: Bird #1-21 KB Elev: 1944.00 ft TICKET #14851 DST #3
WELL LOCATION: 21-19s-15w Barton co KS GR Elev: 1936.00 ft FORMATION: Congl. Gorham Sd.
INTERVAL Fr.: 3506.00 To 3622.00 T.D.: 3622.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #1

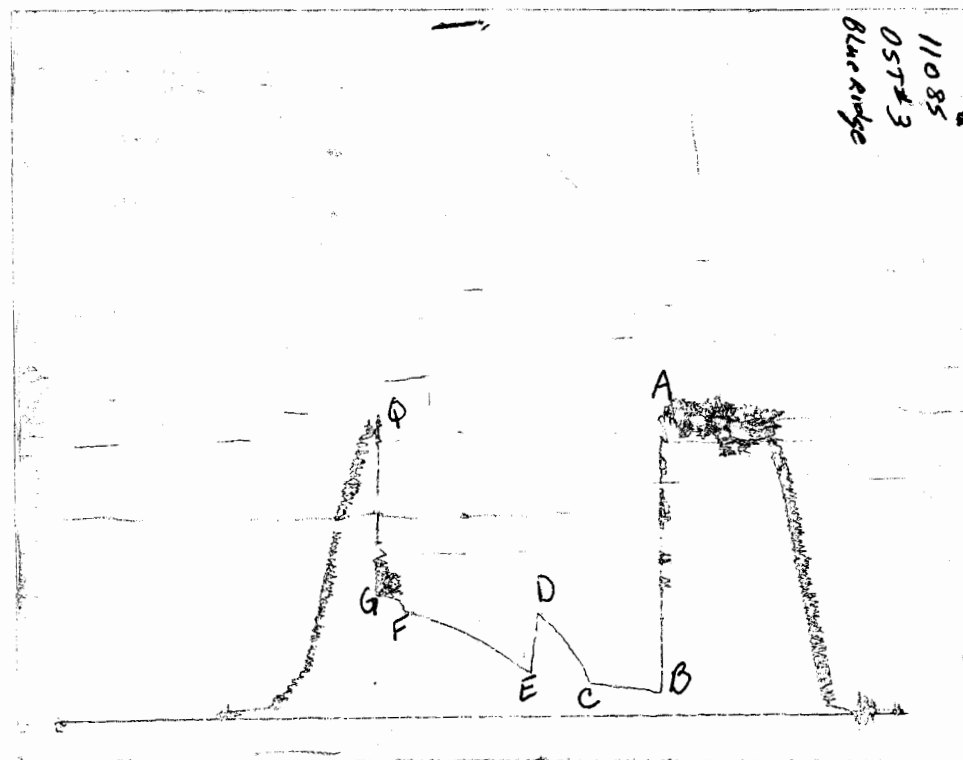
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
25	0.25	1	0	8950.0
35	0.25	4	0	17100.0
45	0.25	5	0	20700.0
55	0.25	5	0	20700.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	20	0	47100.0
20	0.25	10	0	30800.0
30	0.25	1	0	8950.0

CHART PAGE

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





GAS VOLUME REPORT

BlueRidge PETRO Corp
OPERATOR

Bird #1-21

WELL NAME AND NO.

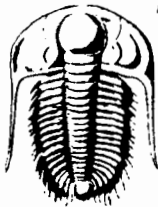
3
DST NO.

GTJ 22min

2nd Flow

[illegible]

Remarks:



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14851

Test Ticket

Well Name & No. <u>Bird #1-21</u>	Test No. <u>3</u>	Date <u>6-20-01</u>
Company <u>Blue Ridge Petroleum Corporation</u>	Zone Tested <u>Congl. Gorman Sh.</u>	
Address <u>P.O. Box 385 Ness City, Ks 67560</u>	Elevation <u>1944</u> KB <u>1936</u> GL	
Co. Rep / Geo. <u>Jim Musgrave</u>	Cont. <u>Discovery rig 2</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>21</u> Twp. <u>19</u> Rge. <u>15</u>	Co. <u>Barton</u> State <u>Ks</u>	
No. of Copies <u>Reg</u> Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested <u>3506 - 3622</u>	Initial Str Wt./Lbs. <u>45000</u>	Unseated Str Wt./Lbs. <u>55000</u>
Anchor Length <u>116</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>146000</u>
Top Packer Depth <u>3501</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3506</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3622</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.3</u> LCM <u>TR</u> Vis. <u>48</u> WL <u>10</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3479</u>
Blow Description <u>IFP - STRONG BLOW GTS in 22 min</u> <u>FFP - GTS</u>		

Recovery — Total Feet <u>410</u>	GIP <u>-</u>	Ft. in DC <u>30</u>	Ft. in DP <u>380</u>
Rec. <u>160</u> Feet Of <u>50 x GCM</u>	<u>3</u> %gas <u>1</u> %oil	%water <u>96</u> %mud	
Rec. <u>250</u> Feet Of <u>50 x GCM</u>	<u>4</u> %gas <u>2</u> %oil	%water <u>94</u> %mud	
Rec. <u>-</u> Feet Of <u>-</u>	%gas <u>-</u> %oil <u>-</u>	%water <u>-</u> %mud <u>-</u>	
Rec. <u>-</u> Feet Of <u>-</u>	%gas <u>-</u> %oil <u>-</u>	%water <u>-</u> %mud <u>-</u>	
Rec. <u>-</u> Feet Of <u>-</u>	%gas <u>-</u> %oil <u>-</u>	%water <u>-</u> %mud <u>-</u>	
BHT <u>109</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>

(A) Initial Hydrostatic Mud <u>1712</u>	AK-1	Alpine	PSI Recorder No. <u>11085</u>	T-On Location <u>1500</u>
(B) First Initial Flow Pressure <u>132</u>			PSI (depth) <u>3613</u>	T-Started <u>1530</u>
(C) First Final Flow Pressure <u>176</u>			PSI Recorder No. <u>13547</u>	T-Open <u>1700</u>
(D) Initial Shut-In Pressure <u>626</u>			PSI (depth) <u>3616</u>	T-Pulled <u>2030</u>
(E) Second Initial Flow Pressure <u>253</u>			PSI Recorder No. <u>-</u>	T-Out <u>2240</u>
(F) Second Final Flow Pressure <u>462</u>			PSI (depth) <u>-</u>	T-Off Location <u>2245</u>
(G) Final Shut-in Pressure <u>626</u>			PSI Initial Opening <u>60</u>	Test <u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud <u>1701</u>			PSI Initial Shut-in <u>45</u>	Jars <u>-</u>

Final Flow <u>60</u>	Safety Joint <u>-</u>
Final Shut-in <u>60</u>	Straddle <u>-</u>
	Circ. Sub <u>-</u>
	Sampler <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 [Signature]

Our Representative Ray Schuenger Thank You

Extra Packer -
Elec. Rec. -
Mileage ✓ 50
Other -
TOTAL PRICE \$ ✓ 750