

15-167-23133

26-14S-15W

WELL NAME: Waudby #8
COMPANY: Ginther Oil Operations
LOCATION: Sec. 26 Twp. 14S Rge. 15W
Russell County Kansas
DATE: 12-23-96

TRILOBITE TESTING L.L.C.

OPERATOR : Ginther Oil Operations

DATE 12-22-96

WELL NAME: Waudby #8

KB 1865.00 ft

TICKET NO: 9755

DST #1

LOCATION : 26-14S-15W Russell Cty KS

GR 1860.00 ft

FORMATION: Sand

INTERVAL : 3260.00 To 3280.00 ft

TD 3280.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13249	13249	13754			PF Fr. 1830 to 1900 hr
SI 30 Range(Psi)	4500.0	4500.0	4000.0	0.0	0.0	IS Fr. 1900 to 1930 hr
SF 15 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1930 to 1945 hr
FS 15 Depth(ft)	3277.0	3277.0	3266.0	0.0	0.0	FS Fr. 1945 to 2000 hr

	Field	1	2	3	4	
A. Init Hydro	1754.0	1768.0	0.0	0.0	0.0	T STARTED 1730 hr
B. First Flow	56.0	14.0	0.0	0.0	0.0	T ON BOTM 1825 hr
Bl. Final Flow	56.0	14.0	0.0	0.0	0.0	T OPEN 1830 hr
C. In Shut-in	56.0	14.0	0.0	0.0	0.0	T PULLED 2000 hr
D. Init Flow	56.0	14.0	0.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	56.0	14.0	0.0	0.0	0.0	
F. Fl Shut-in	56.0	14.0	0.0	0.0	0.0	
G. Final Hydro	1709.0	1655.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 2.00 ft of 0.00 ft in DC and 2.00 ft in DP

2.00 ft of Drilling 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

0.00 ft of

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

BLOW DESCRIPTION

Initial Flow -
Weak - building to .75"

Final Flow -
No blow

SAMPLES:

SENT TO:

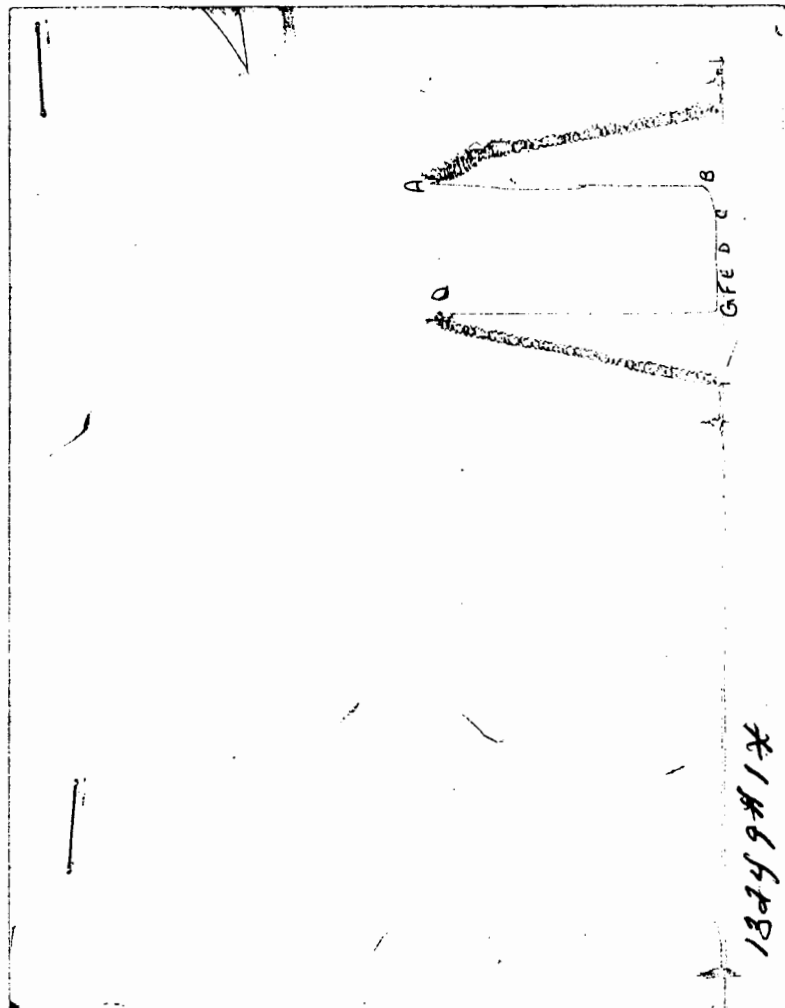
MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	49.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1000.00 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	Dan Bangle
Co. Rep.	David Shumaker
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

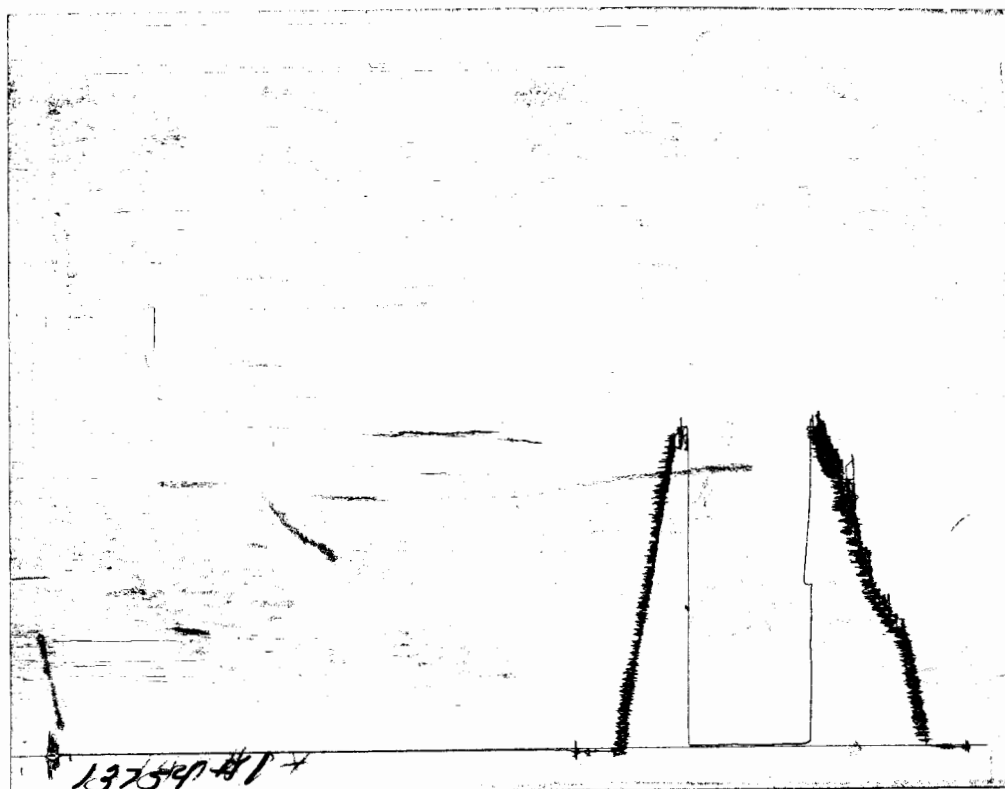
CHART PAGE



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

Well name 13249
DST # 1
Recorder # Ginther

A	1.493	1678
B	.013	14
C	.013	}
D	.013	
E	.013	
F	.013	
G	.013	14
H	1.385	1555



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9755

Well Name & No. <u>Waudby #8</u>	Test No. <u>1</u>	Date <u>12-22-96</u>
Company <u>Ginther Oil Operations</u>	Zone Tested <u>5d</u>	
Address <u>P.O. Box 289, Natoma, Ks. 67651</u>	Elevation <u>1865</u> KB <u>1860</u> GL	
Co. Rep / Geo. <u>David Shumaker</u>	Cont. <u>Vonfeldt #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>26</u> Twp. <u>14</u> Rge. <u>15</u> Co. <u>Russell</u> State <u>Ks.</u>		
No. of Copies <u> </u> Distribution Sheet (Y, N) <u> </u> Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>3260 - 3280</u>	Initial Str Wt./Lbs. <u>39,000</u>	Unseated Str Wt./Lbs. <u>39,000</u>
Anchor Length <u>20</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>42,000</u>
Top Packer Depth <u>3255</u>	Tool Weight <u>1000</u>	
Bottom Packer Depth <u>3260</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"	
Total Depth <u>3280</u>	Wt. Pipe Run <u> </u> Drill Collar Run <u> </u>	
Mud Wt. <u>9.3</u> LCM <u>5r</u> Vis. <u>49</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5 X H</u> Ft. Run <u>3240</u>	
Blow Description <u>I.F. Weak - building to 3/4"</u>		

F.F. No blow

Recovery — Total Feet <u>2</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>2</u>
Rec. <u>2</u> Feet Of <u>D.M.</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>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>100</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>14,000</u> ppm System			
(A) Initial Hydrostatic Mud <u>1754</u> PSI Recorder No. <u>13754</u> T-Started <u>17:30</u>			
(B) First Initial Flow Pressure <u>56</u> PSI (depth) <u>3266</u> T-Open <u>18:30</u>			
(C) First Final Flow Pressure <u>56</u> PSI Recorder No. <u>13249</u> T-Pulled <u>20:00</u>			
(D) Initial Shut-in Pressure <u>56</u> PSI (depth) <u>3277</u> T-Out <u>31:30</u>			
(E) Second Initial Flow Pressure <u>56</u> PSI Recorder No. <u> </u>			
(F) Second Final Flow Pressure <u>56</u> PSI (depth) <u> </u>			
(G) Final Shut-in Pressure <u>56</u> PSI Initial Opening <u>30</u> Test <u>1000</u>			
(H) Final Hydrostatic Mud <u>1709</u> PSI Initial Shut-in <u>30</u> Jars <u> </u>			
Final Flow <u>15</u> Safety Joint <u> </u>			
Final Shut-in <u>15</u> Straddle <u> </u>			
<u>52 + 1 STDs</u> Circ. Sub <u> </u>			
	Sampler <u> </u>		
	Extra Packer <u> </u>		
	Elect. Rec. <u> </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 [Signature]
Our Representative Dan Rangle

TOTAL PRICE \$ 400

TRILOBITE TESTING L.L.C.

OPERATOR : Ginther Oil Operations

DATE 12-23-96

WELL NAME: Waudby #8

KB 1865.00 ft

TICKET NO: 9756

DST #2

LOCATION : 26-14S-15W Russell Cty KS

GR 1860.00 ft

FORMATION: Sand

INTERVAL : 3259.00 To 3282.00 ft

TD 3282.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	13249			PF Fr. 0425 to 0455 hr
SI 30 Range(Psi)	4000.0	4000.0	4500.0	0.0	0.0	IS Fr. 0455 to 0525 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0525 to 0555 hr
FS 30 Depth(ft)	3265.0	3265.0	3279.0	0.0	0.0	FS Fr. 0555 to 0625 hr

	Field	1	2	3	4	
A. Init Hydro	1666.0	1683.0	0.0	0.0	0.0	T STARTED 0310 hr
B. First Flow	39.0	46.0	0.0	0.0	0.0	T ON BOTM 0420 hr
B1. Final Flow	108.0	113.0	0.0	0.0	0.0	T OPEN 0425 hr
C. In Shut-in	1066.0	1078.0	0.0	0.0	0.0	T PULLED 0625 hr
D. Init Flow	127.0	141.0	0.0	0.0	0.0	T OUT 0830 hr
E. Final Flow	196.0	194.0	0.0	0.0	0.0	
F. Fl Shut-in	1076.0	1085.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1626.0	1668.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 45000.00 lbs
						Initial Str Wt 39000.00 lbs
						Unseated Str Wt 40000.00 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 0.00 ft
						D.P. Length 3239.00 ft

RECOVERY

Tot Fluid 496.00 ft of 0.00 ft in DC and 496.00 ft in DP
 806.00 ft of Gas in pipe
 372.00 ft of Clean Gassy oil 20% gas 80% oil
 124.00 ft of Slightly mud cut gassy oil
 0.00 ft of 20% gas 75% oil 5% 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 -
 Strong - bottom of bucket in 6 min
 Final Flow -
 Strong - bottom of bucket in 6 min

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/ci
Vis.	49.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1050.00 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	Dan Bangle
Co. Rep.	David Shumaker
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL PIPE

DST 2

TICKET 9756

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	372	20	74.4	80	297.6		0		0
2	124	20	24.8	75	93		0	5	6.2
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	496		99.2		390.6		0		6.2

HRS OPEN

BBL/DAY

BBL OIL = 5.554332 * 1 = 133.304

BBL WATER = 0 * = 0

BBL MUD = 0.088164

BBL GAS = 1.410624

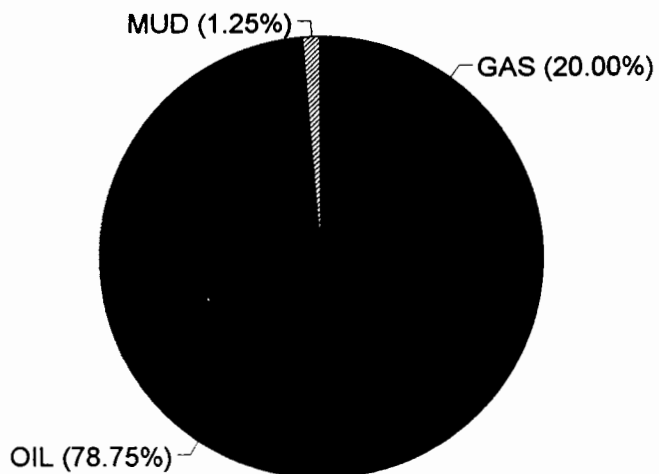
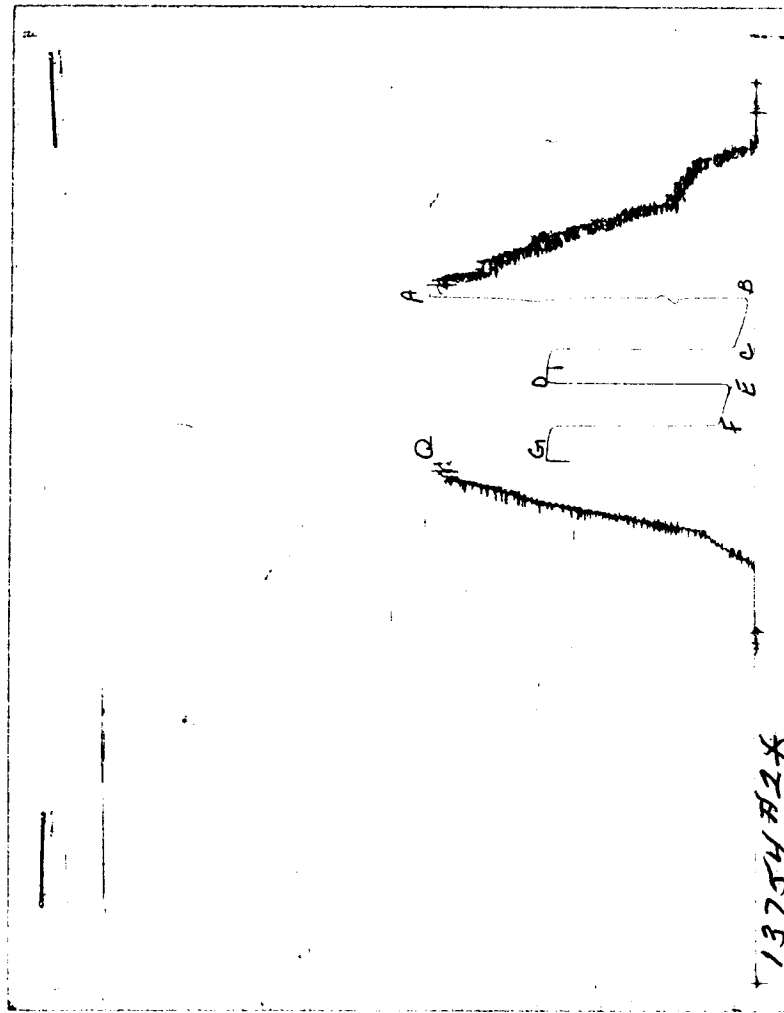


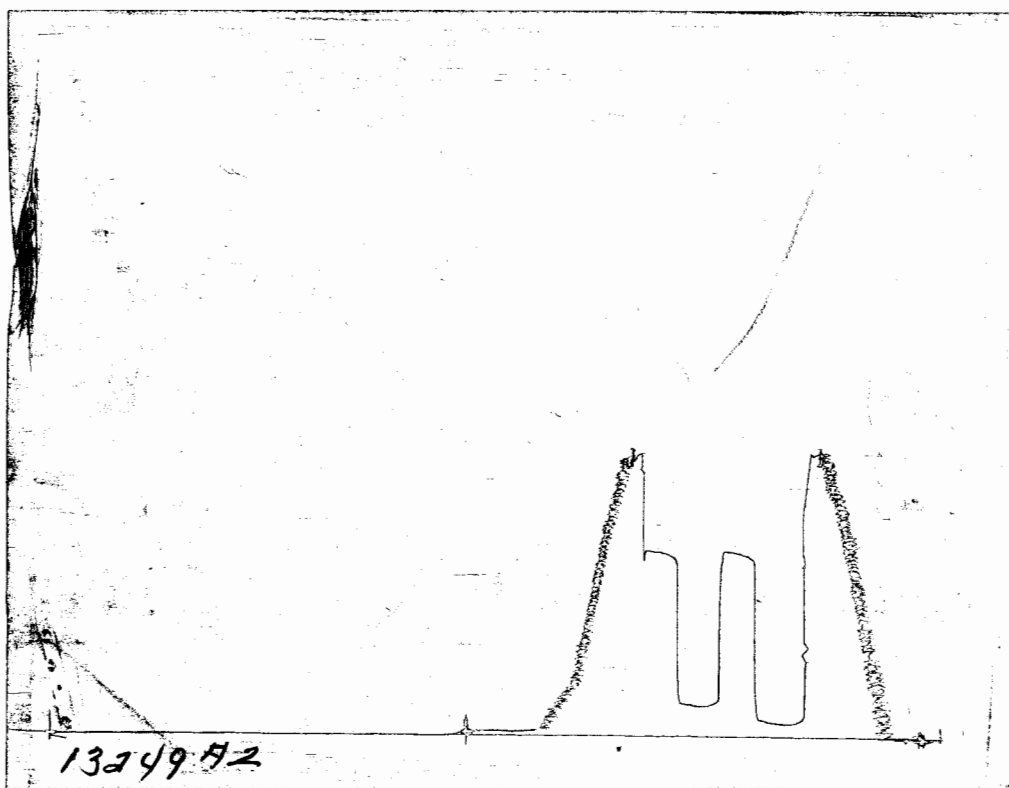
CHART PAGE



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

Well name Ginther
DST # 2
Recorder # 13754

A	1.697	1683
B	.047	46
C	.115	113
D	1.092	1078
E	.144	141
F	.198	194
G	1.099	1085
H	1.682	1668



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9756

Well Name & No.	<u>Wardby #8</u>	Test No.	<u>2</u>	Date	<u>12-22-96</u>
Company	<u>Ginther Oil Operations</u>	Zone Tested	<u>5d</u>		
Address		Elevation	<u>1865</u>	KB	<u>1860</u> GL
Co. Rep / Geo.	<u>David Shumaker</u>	Cont.	<u>Kanfert</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>26</u>	Twp.	<u>14</u>	Rge.	<u>15</u> Co. <u>Russell</u> State <u>Ks.</u>
No. of Copies	<u>2</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>3259 - 3282</u>	Initial Str Wt./Lbs.	<u>39,000</u>	Unseated Str Wt./Lbs.	<u>40,000</u>
Anchor Length	<u>23</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>45,000</u>
Top Packer Depth	<u>3254</u>	Tool Weight	<u>1000</u>		
Bottom Packer Depth	<u>3259</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>3282</u>	Wt. Pipe Run		Drill Collar Run	
Mud Wt. <u>9.3</u> LCM <u>Tr</u> Vis. <u>49</u> WL <u>8.8</u>		Drill Pipe Size	<u>4.5X14</u>	Ft. Run	<u>3239</u>
Blow Description	<u>I.F. Strong - B.O.B. in 6 min.</u>				

F.F. Strong - B.O.B. in 6 min.

Recovery — Total Feet	<u>496</u>	GIP	<u>806</u>	Ft. in DC		Ft. in DP	
Rec. <u>372</u>	Feet Of	<u>Clean Gsy 0</u>	<u>20</u> % gas	<u>80</u> % oil	% water	% mud	
Rec. <u>124</u>	Feet Of	<u>Silly MC6540</u>	<u>20</u> % gas	<u>75</u> % oil	% water	<u>5</u> % mud	
Rec. <u> </u>	Feet Of		% gas	% oil	% water	% mud	
Rec. <u> </u>	Feet Of		% gas	% oil	% water	% mud	
Rec. <u> </u>	Feet Of		% gas	% oil	% water	% mud	

BHT 105 °F Gravity °API D@ °F Corrected Gravity 32 °API

RW @ °F Chlorides ppm Recovery Chlorides 14,000 ppm System

(A) Initial Hydrostatic Mud	<u>1666</u>	PSI	Recorder No.	<u>13754</u>	T-Started	<u>03:10</u>
(B) First Initial Flow Pressure	<u>39</u>	PSI	(depth)	<u>3265</u>	T-Open	<u>04:25</u>
(C) First Final Flow Pressure	<u>108</u>	PSI	Recorder No.	<u>13249</u>	T-Pulled	<u>06:25</u>
(D) Initial Shut-in Pressure	<u>1066</u>	PSI	(depth)	<u>3279</u>	T-Out	<u>08:30</u>
(E) Second Initial Flow Pressure	<u>127</u>	PSI	Recorder No.			
(F) Second Final Flow Pressure	<u>196</u>	PSI	(depth)			
(G) Final Shut-in Pressure	<u>1076</u>	PSI	Initial Opening	<u>30</u>	Test	<u>600</u>
(H) Final Hydrostatic Mud	<u>1626</u>	PSI	Initial Shut-in	<u>30</u>	Jars	

Final Flow 30 Safety Joint

Final Shut-in 30 Straddle

Circ. Sub

52 + 1 STDs Sampler

Extra Packer

Elect. Rec.

Other

TOTAL PRICE \$ 600

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 David Shumaker

Our Representative Don Rangle