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TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name AUGUSTINE #2 Test No. 1 Date 10/14/94
Company GOLDEN OIL Zone LKC 'E'
Address P.O. BOX 861-HAYS, KANS. 67601 Elevation _____
Co. Rep./Geo. RON NELSON Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 14S Rge. 21W Co. TREGO State KS

Interval Tested	<u>3625-3638</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>13</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>3620</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>3625</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>3638</u>	Viscosity	<u>45</u>
		Filtrate	<u>8.4</u>

Tool Open @ 12:51 P.M. Initial Blow 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 16 MIN
(BLOW BACK ON SURFACE ON SHUT-IN)
Final Blow 1/2" BLOW BUILT TO BOTTOM OF BUCKET IN 20 MIN
(1/2" BLOW BACK ON SHUT-IN)

Recovery - Total Feet 135 Flush Tool? NO

Rec. <u>400</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>45</u>	Feet of	<u>CLEAN GASSY OIL 10%GAS/90%OIL</u>
Rec. <u>90</u>	Feet of	<u>MUD & WATER 40%WATER/60%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 110 °F Gravity 39 °API @ 70 °F Corrected Gravity 38 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1783.4 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 19.1 PSI @ (depth) 3627 w / Clock No. 30416

(C) First Final Flow Pressure 37.3 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 585.2 PSI @ (depth) 3633 w / Clock No. 23839

(E) Second Initial Flow Pressure 76.6 PSI AK1 Recorder No. _____ Range _____

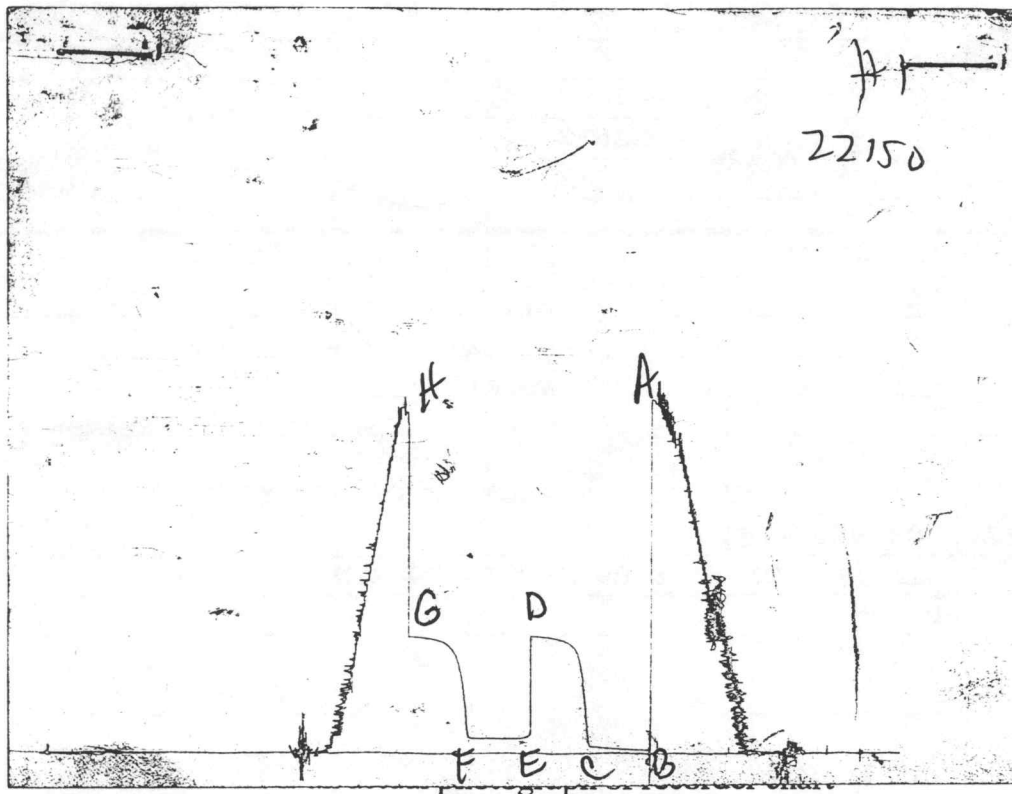
(F) Second Final Flow Pressure 82.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 583.3 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1739.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative PAUL SIMPSON

CHART PAGE



FIELD
READING

OFFICE
READING

(A) INITIAL HYDROSTATIC MUD	1774	1783.4
(B) FIRST INITIAL FLOW PRESSURE	10	19.1
(C) FIRST FINAL FLOW PRESSURE	29	37.3
(D) INITIAL CLOSED-IN PRESSURE	575	585.2
(E) SECOND INITIAL FLOW PRESSURE	57	76.6
(F) SECOND FINAL FLOW PRESSURE	67	82.3
(G) FINAL CLOSED-IN PRESSURE	575	583.3
(H) FINAL HYDROSTATIC MUD	1744	1739.1

Copies to
Invoice

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 7609

Well Name & No. Augustine #2 Test No. 1 Date 10-14-94
Company N-B Company Zone Tested LKC 'E'
Address PO Box 861 Hays, KS 67601 Elevation _____
Co. Rep./Geo. Ron Nelson Cont. Emphasis #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 14S Rge. 21W Co. Trego State KS
No. of Copies 2 Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3625 - 3638 Drill Pipe Size 4 1/2 XH
Anchor Length 13 Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 3620 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth 3625 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 3638 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.4 lb/gal. Viscosity 45 Filtrate 8.4
Tool Open @ 12:51 PM Initial Blow 1/2" blow building to bottom of bucket in 26 minutes - (blow back on surface on shut-in)
Final Blow 1/2" blow built to bottom of bucket in 20 minutes (1/2" blow back on shut-in)
Recovery — Total Feet 135 Feet of Gas in Pipe 400 Flush Tool? _____

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>45</u>	<u>cl</u>	<u>10</u>	<u>90</u>	<u>0</u>	<u>0</u>
<u>90</u>	<u>MW</u>	<u>40</u>	<u>60</u>	<u>0</u>	<u>0</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

BHT 110 °F Gravity 39 °API @ 70 °F Corrected Gravity 38 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1744 PSI Ak1 Recorder No. 22150 Range 3925
(B) First Initial Flow Pressure 10 PSI @ (depth) 3627 w/Clock No. 30416
(C) First Final Flow Pressure 29 PSI Ak1 Recorder No. 24174 Range 3050
(D) Initial Shut-In Pressure 575 PSI @ (depth) 3633 w/Clock No. 27839
(E) Second Initial Flow Pressure 57 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 67 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 575 PSI Initial Opening 45 Test _____
(H) Final Hydrostatic Mud 1744 PSI Initial Shut-In 45 Jars _____

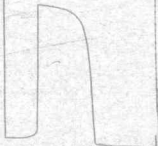
Final Flow 45 Safety Joint _____
Final Shut-In 45 Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Other _____

Approved By Ron Nelson
Our Representative Paul Simpson

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22/5/0



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Vell Name AUGUSTINE #2 Test No. 2 Date 10/16/94
Company GOLDEN OIL Zone CHEROKEE
Address P.O. BOX 861-HAYS, KANS. 67601 Elevation _____
Co. Rep./Geo. RON NELSON Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 14S Rge. 21W Co. TREGO State KS

Interval Tested <u>3850-3895</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>45</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>3845</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3850</u>	Mud Wt. <u>9.3</u> lb/Gal.
Total Depth <u>3895</u>	Viscosity <u>52</u> Filtrate <u>8.8</u>

Tool Open @ 7:45 A.M. Initial Blow WEAK 1/4" BLOW

Final Blow NONE TAKEN

Recovery - Total Feet 5 Flush Tool? NO

Rec. <u>5</u>	Feet of <u>MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

CHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2041.1 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 47.8 PSI @ (depth) 3858 w / Clock No. 30416

(C) First Final Flow Pressure 47.8 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 47.8 PSI @ (depth) 3891 w / Clock No. 23839

(E) Second Initial Flow Pressure 0.0 PSI AK1 Recorder No. _____ Range _____

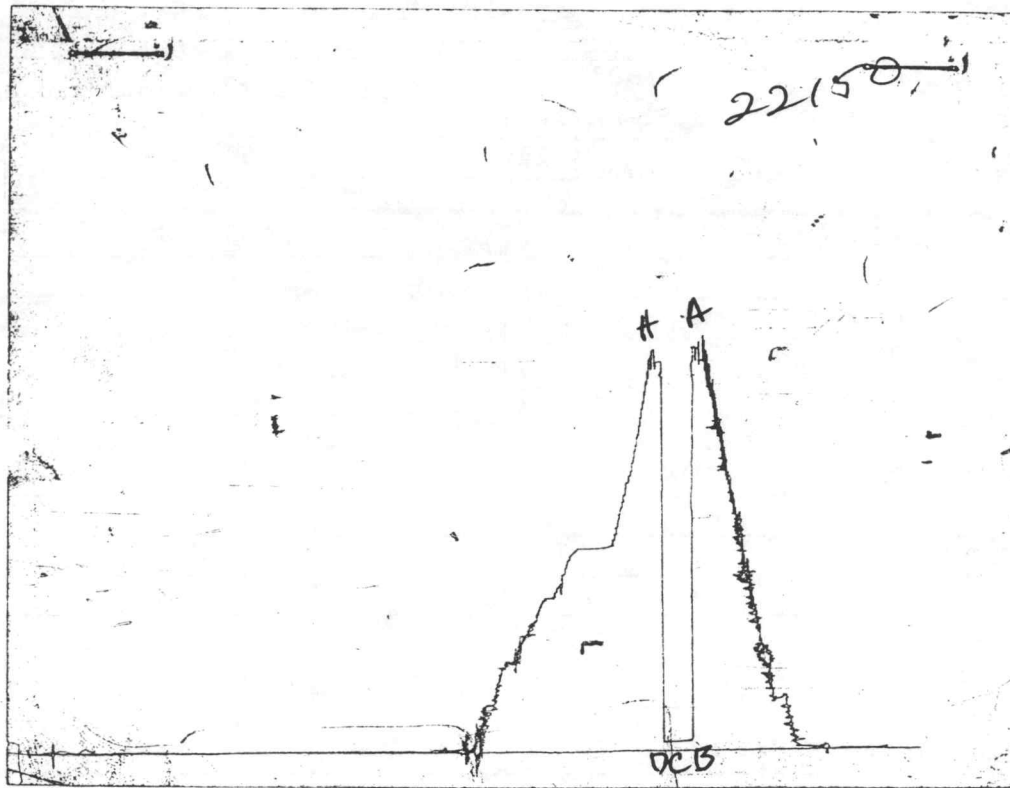
(F) Second Final Flow Pressure 0.0 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 0.0 PSI Initial Opening 15 Final Flow 0

(H) Final Hydrostatic Mud 1967.7 PSI Initial Shut-in 5 Final Shut-in 0

Our Representative PAUL SIMPSON

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2040	2041.1
(B) FIRST INITIAL FLOW PRESSURE	38	47.8
(C) FIRST FINAL FLOW PRESSURE	38	47.8
(D) INITIAL CLOSED-IN PRESSURE	38	47.8
(E) SECOND INITIAL FLOW PRESSURE	0	0
(F) SECOND FINAL FLOW PRESSURE	0	0
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	1970	1967.7

Test Ticket

No 7610

Well Name & No. <u>Augustine #2</u>	Test No. <u>2</u>	Date <u>10-16-99</u>
Company <u>Golden Oil</u>	Zone Tested <u>Cherokee</u>	
Address <u>P.O. Box 861 Hays KS 67601</u>	Elevation _____	
Co. Rep./Geo. <u>Ron Nelson</u>	Cont. <u>Emphasis #8</u>	Est. Ft. of Pay _____
Location: Sec. <u>18</u> Twp. <u>14s</u>	Rge. <u>21w</u>	Co. <u>Trego</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3850-3895</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>45</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3845</u>	Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth <u>3850</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>3895</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.3</u> lb/gal.	Viscosity <u>52</u> Filtrate <u>8.8</u>
Tool Open @ <u>7:45 AM</u>	Initial Blow <u>weak 1/2" blow</u>
Final Blow <u>none broken</u>	

Recovery — Total Feet <u>5</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>5</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>106</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API		
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System		
(A) Initial Hydrostatic Mud <u>2040</u> PSI	Ak1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>38</u> PSI	@ (depth) <u>3858</u>	w/Clock No. <u>30416</u>
(C) First Final Flow Pressure <u>38</u> PSI	Ak1 Recorder No. <u>24179</u>	Range <u>3050</u>
(D) Initial Shut-In Pressure <u>38</u> PSI	@ (depth) <u>3891</u>	w/Clock No. <u>23839</u>
(E) Second Initial Flow Pressure _____ PSI	Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure _____ PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure _____ PSI	Initial Opening <u>15</u>	Test _____
(H) Final Hydrostatic Mud <u>1970</u> PSI	Initial Shut-In <u>5</u>	Jars _____

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.

Final Flow _____	Safety Joint _____
Final Shut-In _____	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Other _____
	TOTAL PRICE \$ _____

Approved By _____

Our Representative Pat Simpson

