

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

KCC

Test Ticket FEB 13

NO

4472

Well Name & No. <u>Berens #1</u>	Test No. <u>CONFIDENTIAL</u>	Date <u>10-18-91</u>
Company <u>Carmen Schmitt, Inc.</u>	Zone Tested <u>C-D</u>	<u>L.K.C.</u>
Address <u>Box 47, Great Bend, Ks. 67530</u>	Elevation <u>2101 K.B.</u>	
Co. Rep./Geo. <u>Steve Parker</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay _____
Location: Sec. <u>18</u> Twp. <u>11</u> Rge. <u>19</u>	Co. <u>Ellis</u>	State <u>Ks.</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3376-3421 Drill Pipe Size 4.5" FH
 Anchor Length 45" Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3371 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 3376 Wt. Pipe I.D. — 2.7 Ft. Run 632
 Total Depth 3421 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 9.2
 Tool Open @ 11:42 A.M. Initial Blow Weak-building to 10"

Final Blow Weak-building to 5"

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
Rec. <u>60</u> Feet Of <u>C.O.</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>30</u> Feet Of <u>O.C.M.</u>	%gas <u>10</u> %oil _____ %water <u>90</u> %mud _____	
Rec. <u>120</u> Feet Of <u>511/2 O.C.M.</u>	%gas <u>2</u> %oil _____ %water <u>98</u> %mud _____	
Rec. <u>60</u> Feet Of <u>mdy wtr</u>	%gas _____ %oil <u>70</u> %water <u>30</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 106 °F Gravity _____ °API _____ Corrected Gravity _____ °API _____
 RW 104 @ 85 °F Chlorides 25,000 ppm Recovery Chlorides 5,000 ppm System
 (A) Initial Hydrostatic Mud 1721 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 55 PSI @ (depth) 3380 w/Clock No. 14389
 (C) First Final Flow Pressure 88 PSI AK1 Recorder No. 13849 Range 4375
 (D) Initial Shut-in Pressure 841 PSI @ (depth) 3417 w/Clock No. 26199
 (E) Second Initial Flow Pressure 111 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 144 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-in Pressure 830 PSI Initial Opening 45 Test X
 (H) Final Hydrostatic Mud 1678 PSI Initial Shut-in 45 Jars _____

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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 _____

Our Representative Don Rangle

Final Flow 45 Safety Joint _____
 Final Shut-in 45 Strainer _____

Circ. Sub 30 m.c.

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE \$ _____

FROM CONFIDENTIAL

ORIGINAL

Test Ticket

FEB 13

NO

4473

CONFIDENTIAL

Well Name & No. Bereas #1 Test No. 2 Date 10-18-91
 Company Carmen Schmitt, Inc. Zone Tested 'F' L.K.C.
 Address _____ Elevation 2101 K.B.
 Co. Rep./Geo. Steve Packer Cont. Duke #1 Est. Ft. of Pay 5
 Location: Sec. 18 Twp. 11 Rge. 19 Co. Ellis State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3422 - 3443 Drill Pipe Size 4.5 F.H.
 Anchor Length 21 Top Choke — 1" _____ Bottom Choke — 1/4" _____
 Top Packer Depth 3417 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 3422 Wt. Pipe I.D. — 2.7 Ft. Run 632
 Total Depth 3443 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 9.2
 Tool Open @ 11:28 P.M. Initial Blow Strong - off bottom of bucket in 18 min.
 Final Blow Strong - off bottom of bucket in 15 min.

Recovery — Total Feet 490 Feet of Gas in Pipe 590 Flush Tool? _____
 Rec. 300 Feet Of C.O. %gas _____ %oil _____ %water _____ %mud _____
 Rec. 70 Feet Of M.C.G.syo 10%gas 70%oil %water 20% mud
 Rec. 60 Feet Of O.C.M. %gas 40%oil %water 60% mud
 Rec. 60 Feet Of O.C.M. %gas 20%oil %water 80% mud
 Rec. _____ Feet Of _____ RECOVERED %gas _____ %oil _____ %water _____ %mud _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 1819 PSI Ak1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 77 PSI @ (depth) 3426 w/Clock No. 14389
 (C) First Final Flow Pressure 133 PSI Ak1 Recorder No. 13849 Range 4375
 (D) Initial Shut-In Pressure 863 PSI @ (depth) 3439 w/Clock No. 26191
 (E) Second Initial Flow Pressure 166 PSI Ak1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 222 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 863 PSI Initial Opening 45 Test X
 (H) Final Hydrostatic Mud 1765 PSI Initial Shut-In 45 Jars _____

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Approved By _____

Our Representative Dan Bange

Printers - Hays, KS

Final Flow 45 Safety RELEASED
 Final Shut-In 45 Straddle _____Circ. Sub 3 0 1003Sampler _____
 FROM CONFIDENTIAL
 Extra Packer _____

Other _____

TOTAL PRICE \$ _____

ORIGINAL

OK 362 • Hays, Kansas 67601

KCC

Test Ticket

FEB 13

NE

4474

Well Name & No. Bereas #1 Test No. 3 Date 10-19-91
 Company Carmen Schmitt, Inc. Zone Tested G L.K.C.
 Address _____ Elevation 2101 K.B.
 Co. Rep./Geo. Steve Parker Cont. Duke #1 Est. Ft. of Pay _____
 Location: Sec. 18 Twp. 11 Rge. 19 Co. Ellis State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No Evaluation _____

Interval Tested 3445-3458 Drill Pipe Size 4.5 FIH
 Anchor Length 13' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 0 Hole Size — 77/8" Rubber Size — 63/4"
 Bottom Packer Depth 3445 Wt. Pipe I.D. — 2.7 Ft. Run 632
 Total Depth 3458 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 49 Filtrate 9.6
 Tool Open @ 11:12 A.M. Initial Blow Weak-building to 4"

Final Blow Weak-building to

Recovery — Total Feet 165 Feet of Gas In Pipe 186 Flush Tool? _____

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>20</u>	<u>C.O.</u>				
<u>20</u>	<u>O.C.M.</u>	<u>10%</u>	<u>10%</u>	<u>90%</u>	<u>90%</u>
<u>125</u>	<u>WTC.</u>				

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 127 @ 91 °F Chlorides 60,000 ppm Recovery Chlorides 6,000 ppm System
 (A) Initial Hydrostatic Mud 1852 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 22 PSI @ (depth) 3449 w/Clock No. 14389
 (C) First Final Flow Pressure 55 PSI AK1 Recorder No. 13849 Range 4375
 (D) Initial Shut-In Pressure 775 PSI @ (depth) 3454 w/Clock No. 26191
 (E) Second Initial Flow Pressure 88 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 100 PSI @ (depth) FEB 14 1992 w/Clock No. _____
 (G) Final Shut-In Pressure 764 PSI Initial Opening 45 Test X
 (H) Final Hydrostatic Mud 1743 PSI Initial Shut-In 45 Jars _____

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Approved By [Signature]
 Our Representative Don Banoff

Final Flow 45 Safety Joint _____
 Final Shut-In 45 Straddle _____

Circ. Sub _____
 Sampler 30 1003

Extra Packer _____
 FROM CONFIDENTIAL

TOTAL PRICE \$ _____

Test Ticket

FEB 13 1991
CONFIDENTIAL

Well Name & No. Berens #1 Test No. 4 Date 10-20-91
 Company Carmen Schmitt, Inc. Zone Tested H-I L.K.C.
 Address _____ Elevation 2101 K.B.
 Co. Rep./Geo. Steve Parker Cont. Duke #1 Est. Ft. of Pay _____
 Location: Sec. 18 Twp. 11 Rge. 19 Co. Ellis State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3478 - 3524 Drill Pipe Size 4.5 F.H.
 Anchor Length 46 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3473 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3478 Wt. Pipe I.D. — 2.7 Ft. Run 692
 Total Depth 3524 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 49 Filtrate 9.6
 Tool Open @ 1:25 P.M. Initial Blow Weak - building to 1 1/2"

Final Blow Weak surface blow

Recovery — Total Feet 25 Feet of Gas in Pipe _____ Flush Tool? _____
 Rec. 25 Feet Of O.C.M. %gas 20%oil _____ %water 80%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 _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 1884 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 22 PSI @ (depth) 3482 W/Clock No. 14389
 (C) First Final Flow Pressure 22 PSI AK1 Recorder No. 13849 Range 4375
 (D) Initial Shut-In Pressure 1039 PSI @ (depth) 3520 W/Clock No. 26199
 (E) Second Initial Flow Pressure 44 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 44 PSI @ (depth) _____ W/Clock No. _____
 (G) Final Shut-In Pressure 0 PSI Initial Opening 30 Test X
 (H) Final Hydrostatic Mud 1765 PSI Initial Shut-In 30 Jars _____

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Approved By _____
 Our Representative Dan Rangle

Final Flow 6 Safety RELEASED
 Final Shut-In 0 Straddle 50005

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

KCC

Test Ticket

FEB 13

No 4126

CONFIDENTIAL

Well Name & No. <u>Berens #1</u>	Test No. <u>5</u>	Date <u>10-20-91</u>
Company <u>Carmen Schmitt, Inc.</u>	Zone Tested <u>J-K</u>	<u>L.K.C.</u>
Address _____	Elevation <u>2101 K.B.</u>	
Co. Rep./Geo. <u>Steve Parker</u>	cont. <u>Duke #1</u>	Est. Ft. of Pay _____
Location: Sec. <u>18</u>	Twp. <u>11</u>	Rge. <u>19</u>
Co. <u>Ellis</u>	State <u>Ks.</u>	
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____
Turnkey _____	Yes _____ No _____	Evaluation _____

Interval Tested 3522-3560 Drill Pipe Size 4.5 F.H.
 Anchor Length 38 Top Choke — 1" Bottom Choke — 1/4"
 Top Packer Depth 3517 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 3522 Wt. Pipe I.D. — 2.7 Ft. Run 632
 Total Depth 3560 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 46 Filtrate 10
 Tool Open @ 12:01 P.M. Initial Blow Weak - building to 1/2"

Final Blow Weak steady surface blow.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>20</u> Feet Of <u>O.C.M.</u>	%gas <u>20</u> %oil _____ %water <u>80</u> %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 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

A) Initial Hydrostatic Mud <u>1873</u>	PSI Ak1 Recorder No. <u>13754</u>	Range <u>4000</u>
(B) First Initial Flow Pressure <u>44</u>	PSI @ (depth) <u>3526</u>	w/Clock No. <u>14389</u>
(C) First Final Flow Pressure <u>44</u>	PSI AK1 Recorder No. <u>13849</u>	Range <u>4375</u>
(D) Initial Shut-In Pressure <u>984</u>	PSI @ (depth) <u>3556</u>	w/Clock No. <u>26199</u>
(E) Second Initial Flow Pressure <u>55</u>	PSI AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>55</u>	PSI @ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>885</u>	PSI Initial Opening <u>30</u>	Test X _____
(H) Final Hydrostatic Mud <u>1797</u>	PSI Initial Shut-In <u>30</u>	Jars <u>14</u> 1992

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Final Flow 30 Safety Joint _____
 Final Shut-In 30 Straddle _____
 WICHITA, KANSAS
 C.R. Sub
 RELEASED
 Sampler _____
 Extra Packer 1003

Approved By _____
 Our Representative Dan Rande

FROM CONFIDENTIAL
 TOTAL PRICE \$ _____

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

KCC

Test Ticket

FEB 13

N^o 4127

CONFIDENTIAL

Well Name & No. Berens #1 Test No. 6 Date 10-21-91
 Company Carmen Schmitt, Inc. Zone Tested Arbuckle
 Address _____ Elevation 2101 K.B.
 Co. Rep./Geo. Steve Parker Cont. Duke #1 Est. Ft. of Pay _____
 Location: Sec. 18 Twp. 11 Rge. 19 Co. Ellis State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3625-3679 Drill Pipe Size 4.5 F.H.
 Anchor Length 54 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3620 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3625 Wt. Pipe I.D. — 2.7 Ft. Run 632
 Total Depth 3679 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 50 Filtrate 10
 Tool Open @ 2:35 P.M. Initial Blow Weak - Died in 8 min.

Final Blow No blow

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>10</u>		<u>X</u>
Rec. <u>10</u> Feet Of <u>mud w/oil spots</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 109 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °APIRW _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm SystemA) Initial Hydrostatic Mud 2070 PSI AK1 Recorder No. 13754 Range 4000(B) First Initial Flow Pressure 22 PSI @ (depth) 3629 W/Clock No. 26191(C) First Final Flow Pressure 22 PSI AK1 Recorder No. 13849 Range 4375(D) Initial Shut-In Pressure 264 PSI @ (depth) 3674 W/Clock No. 14389(E) Second Initial Flow Pressure 33 PSI AK1 Recorder No. _____ Range _____(F) Second Final Flow Pressure 33 PSI @ (depth) _____ W/Clock No. _____(G) Final Shut-In Pressure 808 PSI Initial Opening 15 Test _____(H) Final Hydrostatic Mud 1819 PSI Initial Shut-In 30 Jars _____

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Approved By Carmen SchmittOur Representative Dan Ransfe

RELEASED

Sampler _____

Extra Packer 30 1003

Other _____

FROM CONFIDENTIAL
TOTAL PRICE \$ _____