

Phone  
(303) 830-8080

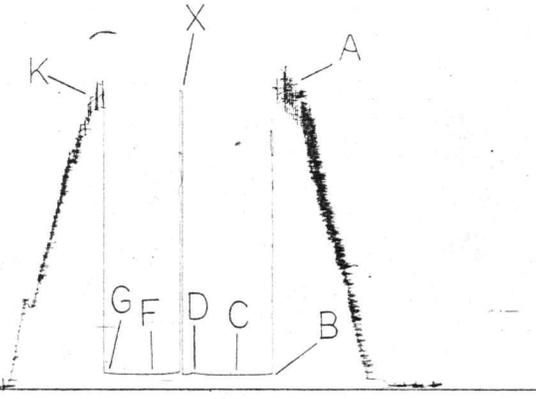
# Star Hughes

Denver Center Bldg.  
1776 Lincoln St., Suite 408  
Denver, CO 80203

Contractor <u>Woodman Iannitti</u>	Surface Choke <u>1"</u>	Mud Type <u>Starch/Salt</u>
Rig No. <u>1</u>	Bottom Choke <u>9/16"</u>	Weight <u>9.8</u>
Spot <u>SW-SE-SW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>42</u>
Sec. <u>17</u>	Core Hole Size <u>--</u>	Water Loss <u>12.2</u>
Twp. <u>19S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>4 1/2" XH</u>	Resistivity <u>--</u> @ <u>--</u> OF
Field <u>--</u>	I.D. of DC <u>--</u>	<u>72,000</u> Ppm. NaCl
County <u>Barton</u>	Length of DC <u>0</u>	B.H.T. <u>101</u> OF
State <u>Kansas</u>	Total Depth <u>3278'</u>	Co. Rep. <u>John Japp</u>
Elevation <u>1899' KB</u>	Type Test <u>Conventional</u>	Tester <u>John Riedl</u>
Formation <u>Kansas City</u>	Interval <u>3202-3278'</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>9:10 am</u>	hrs.
Flow No. 1	<u>30</u>	min.
Shut-in No. 1	<u>30</u>	min.
Flow No. 2	<u>30</u>	min.
Shut-in No. 2	<u>30</u>	min.
Flow No. 3	<u>--</u>	min.
Shut-in No. 3	<u>--</u>	min.

Recorder Type Kuster AK-1  
No. 13310 Cap. 4750 psi  
Depth 3278 feet  
Inside Outside X



Initial Hydrostatic	A	<u>1777</u>
Final Hydrostatic	K	<u>1743</u>
Initial Flow	B	<u>72</u>
Final Initial Flow	C	<u>67</u>
Initial Shut-in	D	<u>82</u>
Second Initial Flow	E	<u>73</u>
Second Final Flow	F	<u>74</u>
Second Shut-in	G	<u>83</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>

Pipe Recovery: 10' Total Fluid  
10' Drilling mud with a few oil specks = .14 bbls.

Surface Blow:  
1st Flow: Tool opened with a weak blow, died in 5 minutes and remained throughout flow period.  
2nd Flow: Tool opened with no blow, bypassed tools ("X" on chart) with a no blow.

Operator L.G. Stephenson & Co., Inc.  
Ticket No. 3372  
Date 2-7-84

Well Name & No. Schartz #1A  
Location S-17, T-19S, R-12W  
County, State Barton, Kansas

DSI No. 1  
Interval 3202-3278'  
Formation Kansas City

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# Star Hughes

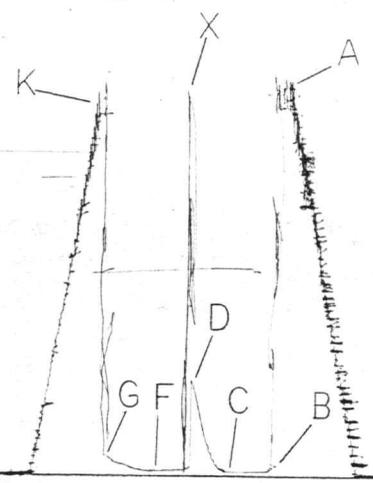
Denver Center Bldg.  
1776 Lincoln St., Suite 408  
Denver, CO 80203

Contractor <u>Woodman Iannitti</u>	Surface Choke <u>1"</u>	Mud Type <u>Starch/Salt/Mud</u>
Rig No. <u>1</u>	Bottom Choke <u>9/16"</u>	Weight <u>9.8</u>
Spot <u>SW-SE-SW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>46</u>
Sec. <u>17</u>	Core Hole Size <u>--</u>	Water Loss <u>12.2</u>
Twp. <u>19S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>4 1/2" XH</u>	Resistivity <u>-- @</u> of
Field <u>--</u>	I.D. of DC <u>--</u>	<u>72,000</u> Ppm. NaCl
County <u>Barton</u>	Length of DC <u>0</u>	B.H.T. <u>102</u> of
State <u>Kansas</u>	Total Depth <u>3299'</u>	Co. Rep. <u>John Japp</u>
Elevation <u>1899' KB</u>	Type Test <u>Straddle</u>	Tester <u>John Riedl</u>
Formation <u>Kansas City</u>	Interval <u>3270-3293'</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>1:20 am</u>	hrs.
Flow No. 1	<u>30</u>	min.
Shut-in No. 1	<u>30</u>	min.
Flow No. 2	<u>30</u>	min.
Shut-in No. 2	<u>30</u>	min.
Flow No. 3	<u>--</u>	min.
Shut-in No. 3	<u>--</u>	min.

Recorder Type <u>Kuster AK-1</u>
No. <u>2351</u> Cap. <u>3600</u> psi
Depth <u>3260</u> feet
Inside <u>X</u> Outside

Initial Hydrostatic	A	<u>1779</u>
Final Hydrostatic	K	<u>1749</u>
Initial Flow	B	<u>27</u>
Final Initial Flow	C	<u>16</u>
Initial Shut-in	D	<u>441</u>
Second Initial Flow	E	<u>38</u>
Second Final Flow	F	<u>18</u>
Second Shut-in	G	<u>91</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>



Pipe Recovery: 20' Total Fluid  
20' Drilling Mud = .15 bbls.

Surface Blow:  
1st Flow: Tool opened with a weak blow, decreased to no blow in 20 minutes and remained throughout flow period.  
2nd Flow: Tool opened with no blow, bypassed tools ("X" on chart) with no blow.

Operator L.G. Stephenson & Co. Inc.  
 Ticket No. 3373  
 Date 2-8-84  
 Well Name & No. Schartz #1-A  
 Location S-17, T-19S, R-12W  
 County, State Barton, Kansas  
 DST No. 2  
 Interval 3270-3293'  
 Formation Kansas City

# Star Hughes

L.G. Stephenson & Co. Inc.  
Operator

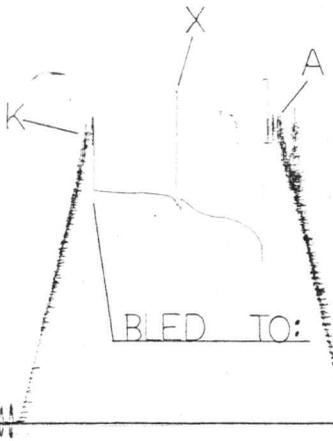
Schartz #1-A  
Well Name and No.

2  
DST No.

Recorder Type Kuster AK-1  
No. 13310 Cap. 4750 psi  
Depth 3299 feet  
Inside                      Outside x

Initial Hydrostatic A 1789  
Final Hydrostatic K 1744  
Initial Flow B \_\_\_\_\_  
Final Initial Flow C \_\_\_\_\_  
Initial Shut-in D \_\_\_\_\_  
Second Initial Flow E \_\_\_\_\_  
Second Final Flow F \_\_\_\_\_  
Second Shut-in G \_\_\_\_\_  
Third Initial Flow H \_\_\_\_\_  
Third Final Flow I \_\_\_\_\_  
Third Shut-in J \_\_\_\_\_

Pressure below bottom  
packer bled to: 1395



Recorder Type \_\_\_\_\_  
No. \_\_\_\_\_ Cap. \_\_\_\_\_ psi  
Depth \_\_\_\_\_ feet  
Inside                      Outside

Initial Hydrostatic A \_\_\_\_\_  
Final Hydrostatic K \_\_\_\_\_  
Initial Flow B \_\_\_\_\_  
Final Initial Flow C \_\_\_\_\_  
Initial Shut-in D \_\_\_\_\_  
Second Initial Flow E \_\_\_\_\_  
Second Final Flow F \_\_\_\_\_  
Second Shut-in G \_\_\_\_\_  
Third Initial Flow H \_\_\_\_\_  
Third Final Flow I \_\_\_\_\_  
Third Shut-in J \_\_\_\_\_

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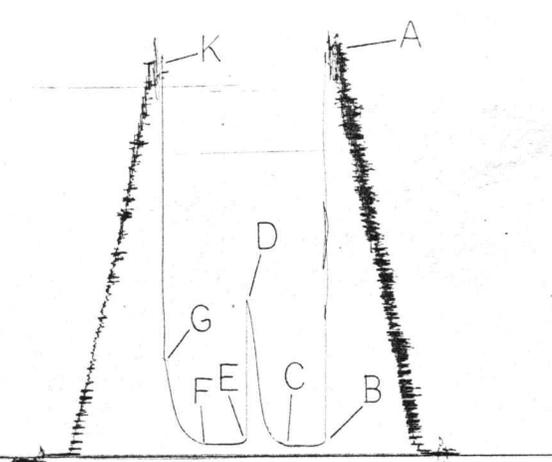
# Star Hughes

Denver Center Bldg.  
1776 Lincoln St., Suite 408  
Denver, CO 80203

Contractor <u>Woodman Iannitti</u>	Surface Choke <u>1"</u>	Mud Type <u>Starch/Salt</u>
Rig No. <u>1</u>	Bottom Choke <u>9/16"</u>	Weight <u>9.8</u>
Spot <u>SW-SE-SW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>43</u>
Sec. <u>17</u>	Core Hole Size <u>--</u>	Water Loss <u>11.6</u>
Twp. <u>19S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>4 1/2" XH</u>	Resistivity <u>--</u> @ <u>--</u> °F
Field <u>--</u>	I.D. of DC <u>--</u>	<u>64,000</u> Ppm. NaCl
County <u>Barton</u>	Length of DC <u>0</u>	B.H.T. <u>103</u> °F
State <u>Kansas</u>	Total Depth <u>3360'</u>	Co. Rep. <u>John Japp</u>
Elevation <u>1899' KB</u>	Type Test <u>Conventional</u>	Tester <u>John Riedl</u>
Formation <u>Kansas City</u>	Interval <u>3338-3360'</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>2:45</u> pm	hrs.
Flow No. 1	<u>30</u>	min.
Shut-in No. 1	<u>30</u>	min.
Flow No. 2	<u>30</u>	min.
Shut-in No. 2	<u>30</u>	min.
Flow No. 3	<u>--</u>	min.
Shut-in No. 3	<u>--</u>	min.

Recorder Type <u>Kuster AK-1</u>
No. <u>2351</u> Cap. <u>3600</u> psi
Depth <u>3355</u> feet
Inside <u>x</u> Outside



Initial Hydrostatic	A	<u>1857</u>
Final Hydrostatic	K	<u>1818</u>
Initial Flow	B	<u>64</u>
Final Initial Flow	C	<u>40</u>
Initial Shut-in	D	<u>720</u>
Second Initial Flow	E	<u>65</u>
Second Final Flow	F	<u>48</u>
Second Shut-in	G	<u>453</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>

Pipe Recovery: 45' Total Fluid  
45' Very slightly oil cut mud = .33 bbls. (2% Oil)

Surface Blow:  
1st Flow: Tool opened with a 1" blow and remained throughout flow period.  
2nd Flow: Tool opened with a 3/4" blow and remained throughout flow period.

Operator L.G. Stephenson & Co., Inc.  
Ticket No. 3374  
Date 2-8-84

Well Name & No. Schartz 1-A  
Location S-17, T-19S, R-12W  
County, State Barton, Kansas

DST No. 3  
Interval 3338-3360'  
Formation Kansas City

Phone  
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1776 Lincoln St., Suite 408  
Denver, CO 80203

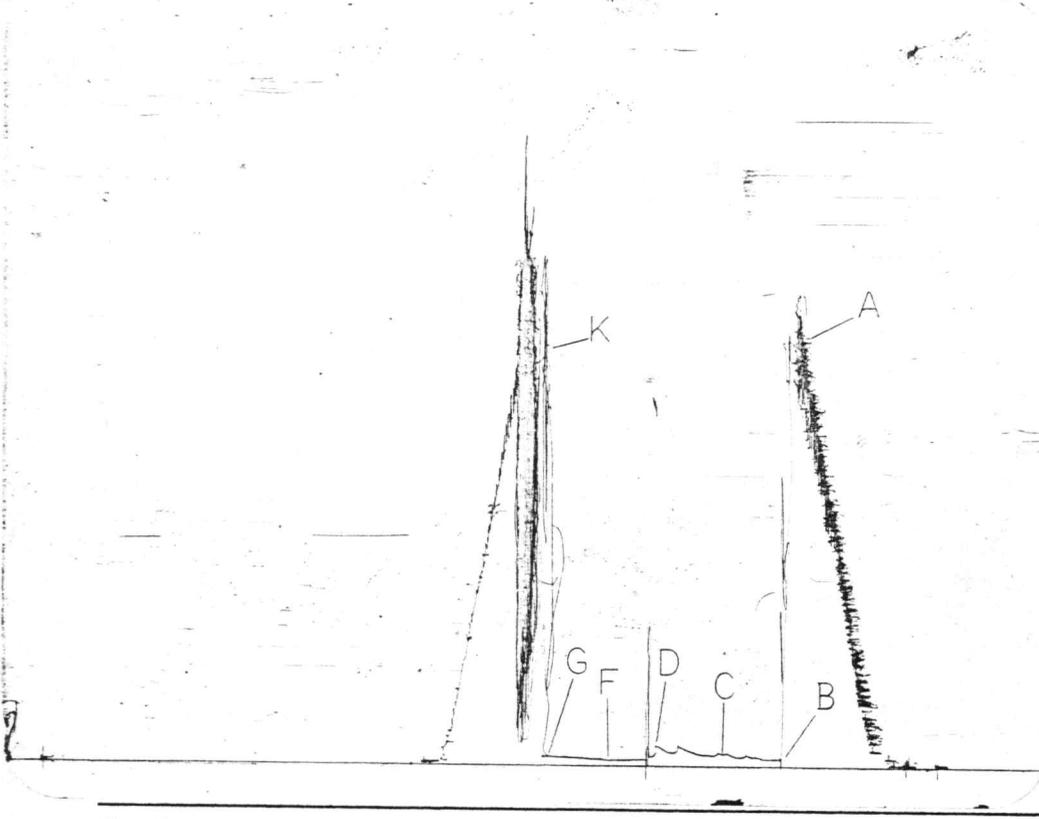
Contractor <u>Woodman Iannitti</u>	Surface Choke <u>1"</u>	Mud Type <u>Starch/Salt/Mud</u>
Rig No. <u>1</u>	Bottom Choke <u>9/16"</u>	Weight <u>9.9</u>
Spot <u>SW-SE-SW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>48</u>
Sec. <u>17</u>	Core Hole Size <u>--</u>	Water Loss <u>11.2</u>
Twp. <u>19S</u>	DP Size & Wt. <u>4 3/4" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>4 1/2" XH</u>	Resistivity <u>-- @ --</u> of
Field <u>--</u>	I.D. of DC <u>--</u>	<u>62,000</u> Ppm. NaCl
County <u>Barton</u>	Length of DC <u>0</u>	B.H.T. <u>--</u> of
State <u>Kansas</u>	Total Depth <u>3540'</u>	Co. Rep. <u>John Japp</u>
Elevation <u>1899' KB</u>	Type Test <u>Straddle</u>	Tester <u>John Riedl</u>
Formation <u>Arbuckle</u>	Interval <u>3495-3504'</u>	

Operator  
Ticket No. 3375  
Date 2-9-84  
L.G. Stephenson & Co., Inc.  
Well Name & No. Scharitz 1-A  
Location S-17, T-19S, R-12W  
County, State Barton, Kansas  
DST No. 4  
Interval 3495-3504'  
Formation Arbuckle

	REPORTED	CORRECTED
Opened Tool @	<u>10:00 pm</u>	<u>hrs.</u>
Flow No. 1	<u>45</u>	<u>min.</u>
Shut-in No. 1	<u>45</u>	<u>min.</u>
Flow No. 2	<u>45</u>	<u>min.</u>
Shut-in No. 2	<u>45</u>	<u>min.</u>
Flow No. 3	<u>--</u>	<u>min.</u>
Shut-in No. 3	<u>--</u>	<u>min.</u>

Recorder Type <u>Kuster AK-1</u>
No. <u>2351</u> Cap. <u>3600</u> psi
Depth <u>3485</u> feet
Inside <u>x</u> Outside

Initial Hydrostatic	A	<u>1948</u>
Final Hydrostatic	K	<u>1921</u>
Initial Flow	B	<u>22</u>
Final Initial Flow	C	<u>44</u>
Initial Shut-in	D	<u>85</u>
Second Initial Flow	E	<u>35</u>
Second Final Flow	F	<u>21</u>
Second Shut-in	G	<u>36</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>



Pipe Recovery: 3' Total Fluid  
3' Drilling Mud = .02 bbls.

Surface Blow:  
1st Flow: Tool opened with a 1/2" blow, decreased to no blow in 35 minutes. and remained throughout flow period.  
2nd Flow: Tool opened with no blow and remained throughout flow period.

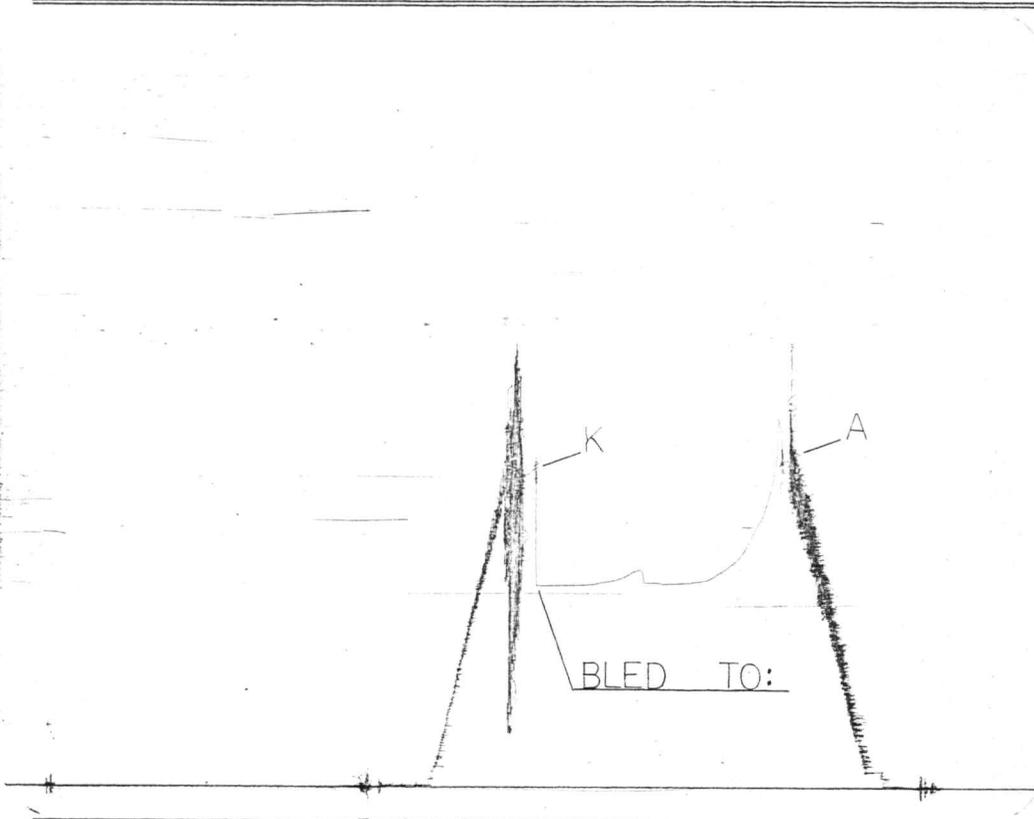
REMARKS: Pressure charts indicate slight plugging during the first flow period and the first shut-in period.

# Star Hughes

L.G. Stephenson & Co. Inc.  
Operator

Schartz #1-A  
Well Name and No.

4  
DST No.



Recorder Type Kuster AK-1  
 No. 13310 Cap. 4750 psi  
 Depth 3540 feet  
 Inside                      Outside X

Initial Hydrostatic A 1969  
 Final Hydrostatic K 1904  
 Initial Flow B  
 Final Initial Flow C  
 Initial Shut-in D  
 Second Initial Flow E  
 Second Final Flow F  
 Second Shut-in G  
 Third Initial Flow H  
 Third Final Flow I  
 Third Shut-in J

Pressure below bottom  
 packer bled to: 1205

Recorder Type \_\_\_\_\_  
 No. \_\_\_\_\_ Cap. \_\_\_\_\_ psi  
 Depth \_\_\_\_\_ feet  
 Inside                      Outside

Initial Hydrostatic A  
 Final Hydrostatic K  
 Initial Flow B  
 Final Initial Flow C  
 Initial Shut-in D  
 Second Initial Flow E  
 Second Final Flow F  
 Second Shut-in G  
 Third Initial Flow H  
 Third Final Flow I  
 Third Shut-in J