

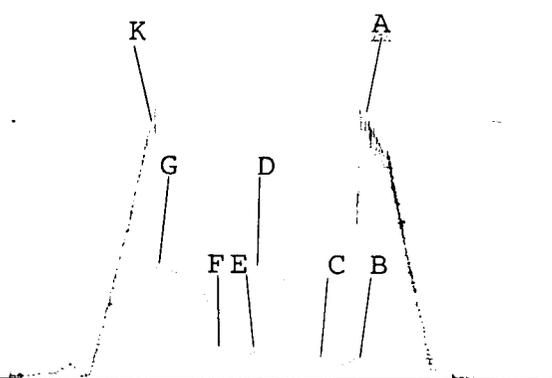
Phone  
(303) 830-8080

# Drill Stem Testers, Inc.

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

Contractor <u>Graves Drlg.</u>	Surface Choke <u>1"</u>	Mud Type <u>Gel</u>
Rig No. <u>--</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.7</u>
Spot <u>SW-SE-NW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>36</u>
Sec. <u>2</u>	Core Hole Size <u>--</u>	Water Loss <u>86.2</u>
Twp. <u>32S</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>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>20,000</u> Ppm. NaCl
County <u>Barber</u>	Length of DC <u>90'</u>	B.H.T. <u>110</u> of
State <u>Kansas</u>	Total Depth <u>3346'</u>	Co. Rep. <u>Arden Ratzlaff</u>
Elevation <u>1515'KB</u>	Type Test <u>Conventional</u>	Tester <u>Kurt Karst</u>
Formation <u>Elgin</u>	Interval <u>3324-3346'</u>	
On Location @ <u>11:00 am</u>	Off Location @ <u>5:30 pm</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>12:45 pm</u>	<u>---</u> hrs.
Flow No. 1	<u>30</u>	<u>---</u> min.
Shut-in No. 1	<u>45</u>	<u>---</u> min.
Flow No. 2	<u>30</u>	<u>---</u> min.
Shut-in No. 2	<u>45</u>	<u>---</u> min.
Flow No. 3	<u>---</u>	<u>---</u> min.
Shut-in No. 3	<u>---</u>	<u>---</u> min.
Recorder Type	<u>Kuster AK-1</u>	
No. <u>25539</u>	Cap. <u>5525</u>	psi
Depth <u>3343</u>		feet
	Inside	Outside X
Clock No. <u>26833</u>	Hr. <u>12</u>	
Initial Hydrostatic	A	<u>1691</u>
Final Hydrostatic	K	<u>1682</u>
Initial Flow	B	<u>140</u>
Final Initial Flow	C	<u>111</u>
Initial Shut-in	D	<u>718</u>
Second Initial Flow	E	<u>176</u>
Second Final Flow	F	<u>183</u>
Second Shut-in	G	<u>738</u>
Third Initial Flow	H	<u>---</u>
Third Final Flow	I	<u>---</u>
Third Shut-in	J	<u>---</u>



Pipe Recovery: 350' Gas cut muddy salt water = 4.13 bbls  
 Middle Sample RW - .06 @ 75°F = 134,000 ppm NaCl

**Surface Blow:**

- 1st Flow: Tool opened with a strong blow. Gas to surface in 23 minutes, see gas volume report.
- 2nd Flow: See gas volume report.

Operator **GRAVES DRILLING CO., INC.**  
Ticket No. **497**

Well Name & No. **DAWSON-GRESS #1**  
Date **11-7-84**

DST No. **1**  
Interval **3324-3346'**



# Drill Stem Testers, Inc.

## DISTRIBUTION OF FINAL REPORTS

GRAVES DRILLING CO., INC.

Operator

DAWSON-GRESS #1

Well Name and No.

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Graves Drilling Co., Inc. (5)  
910 Union Center  
Wichita, Kansas 67202

Phone  
(303) 830-8080

# Drill Stem Testers, Inc.

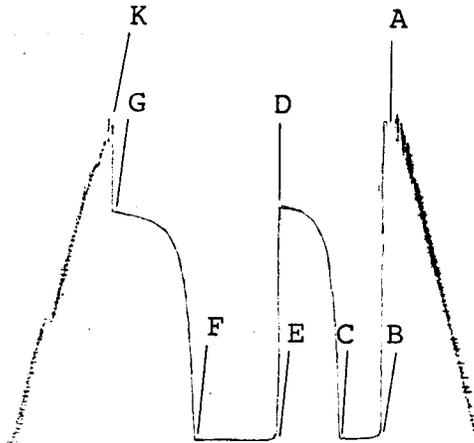
Denver Center Bldg.  
1776 Lincoln St., Suite 408  
Denver, CO 80203

Contractor <u>Graves Drlg.</u>	Surface Choke <u>1"</u>	Mud Type <u>Kla-Free-Starch</u>
Rig No. <u>--</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.3</u>
Spot <u>SW-SE-NW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>37</u>
Sec. <u>2</u>	Core Hole Size <u>--</u>	Water Loss <u>4.8</u>
Twp. <u>32S</u>	DP Size & Wt <u>4 1/2" XH 16.60</u>	Filter Cake <u>1/128</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>51,000</u> Ppm. NaCl
County <u>Barber</u>	Length of DC <u>90'</u>	B.H.T. <u>110</u> of
State <u>Kansas</u>	Total Depth <u>4280'</u>	Co. Rep. <u>Arden Ratzlaff</u>
Elevation <u>1515'KB</u>	Type Test <u>Conventional</u>	Tester <u>Kurt Karst</u>
Formation <u>Mississippi</u>	Interval <u>4239-4280'</u>	
On Location @ <u>2:30 am</u>	Off Location @ <u>11:00 am</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>5:15 am</u>	<u>---</u>
Flow No. 1	<u>30</u>	<u>30</u>
Shut-in No. 1	<u>45</u>	<u>47</u>
Flow No. 2	<u>60</u>	<u>62</u>
Shut-in No. 2	<u>60</u>	<u>63</u>
Flow No. 3	<u>---</u>	<u>---</u>
Shut-in No. 3	<u>---</u>	<u>---</u>

Recorder Type Kuster AK-1  
 No. 25539 Cap. 5225 psi  
 Depth 4277 feet  
 Inside \_\_\_\_\_ Outside X

Clock No. <u>26833</u>	Hr. <u>12</u>
Initial Hydrostatic	A <u>2177</u>
Final Hydrostatic	K <u>2158</u>
Initial Flow	B <u>128</u>
Final Initial Flow	C <u>93</u>
Initial Shut-in	D <u>1638</u>
Second Initial Flow	E <u>109</u>
Second Final Flow	F <u>78</u>
Second Shut-in	G <u>1596</u>
Third Initial Flow	H <u>---</u>
Third Final Flow	I <u>---</u>
Third Shut-in	J <u>---</u>



Pipe Recovery: 80' Gas cut mud = .39 bbls

Surface Blow:

1st Flow: Tool opened with a strong blow. Gas to surface in 5 minutes, see gas volume report.

2nd Flow: See gas volume report.

Operator **GRAVES DRILLING CO. INC.**  
Ticket No. **498**

Well Name & No. **DAWSON-GRESS #1**  
Date **11-10-84**

DST No. **2**  
Interval **4239-4280'**



# Drill Stem Testers, Inc.

## INCREMENTAL READING DATA

GRAVES DRILLING CO., INC.

DAWSON-GRESS #1

2

Operator

Well Name and No.

DST No.

RECORDER NO. 25539

DEPTH 4277 Ft.

-----  
INITIAL SHUT-IN  
INITIAL FLOW TIME: T = 30

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	93
2	16.31	500
4	8.11	845
6	5.98	1068
8	4.75	1220
10	4.02	1325
12	3.49	1403
14	3.14	1454
16	2.88	1488
18	2.67	1517
20	2.50	1540
25	2.20	1581
30	2.00	1605
35	1.86	1621
40	1.75	1630
45	1.67	1637
47	1.64	1638

# Drill Stem Testers, Inc.

## INCREMENTAL READING DATA

GRAVES DRILLING CO., INC.

DAWSON-GRESS #1

2

Operator

Well Name and No.

DST No.

RECORDER NO. 25539

DEPTH 4277 Ft.

-----  
FINAL SHUT-IN  
TOTAL FLOW TIME: T = 92

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	78
2	48.00	398
4	24.50	719
6	16.27	939
8	12.53	1089
10	10.26	1204
12	8.64	1281
14	7.57	1340
16	6.76	1386
18	6.13	1420
20	5.59	1452
25	4.68	1500
30	4.07	1530
35	3.63	1549
40	3.31	1565
45	3.04	1576
50	2.84	1583
55	2.67	1590
60	2.54	1594
63	2.45	1596

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DAWSON-GRESS #1

Operator

Well Name and No.

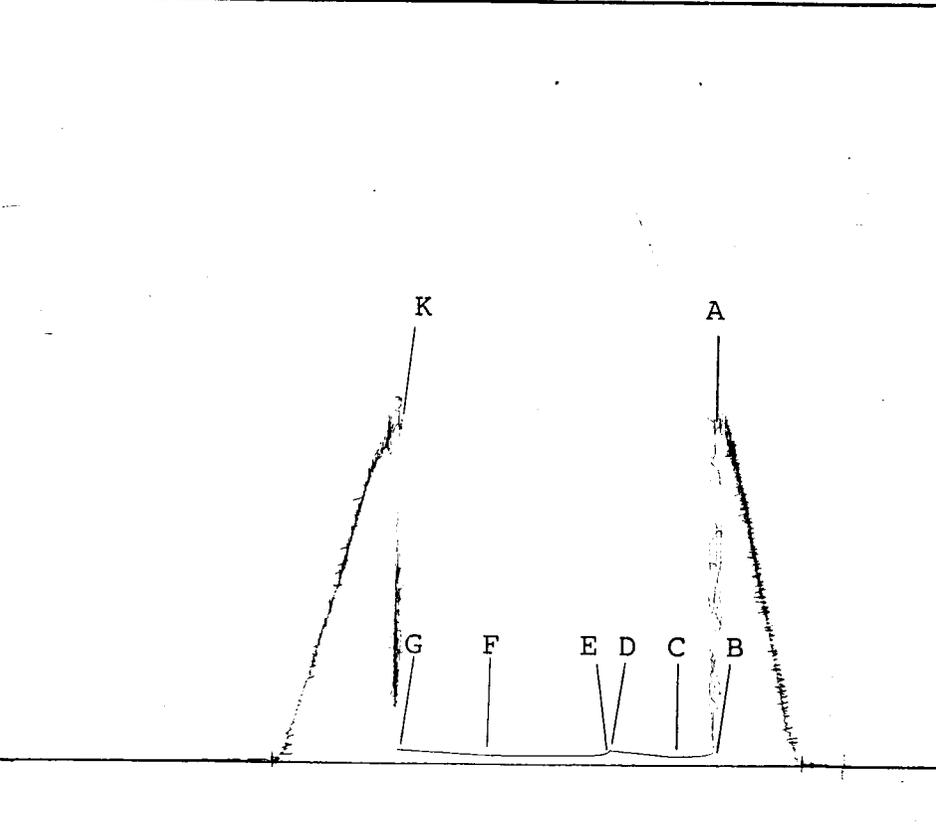
Graves Drilling, Co., Inc.(5)  
910 Union Center  
Wichita, Kansas, 67202

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

Contractor <u>Graves Drlg.</u>	Surface Choke <u>1"</u>	Mud Type <u>Kla-Free/Starch</u>
Rig No. <u>--</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.3</u>
Spot <u>SW-SE-NW</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>51</u>
Sec. <u>2</u>	Core Hole Size <u>--</u>	Water Loss <u>5.6</u>
Twp. <u>32S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>1/64</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>71,000</u> Ppm. NaCl
County <u>Barber</u>	Length of DC <u>90'</u>	B.H.T. <u>100</u> of
State <u>Kansas</u>	Total Depth <u>4325'</u>	Co. Rep. <u>Arden Ratzlaff</u>
Elevation <u>1515'KB</u>	Type Test <u>Conventional</u>	Tester <u>Kurt Karst</u>
Formation <u>Mississippi</u>	Interval <u>4281-4325'</u>	
On Location @ <u>11:00 pm</u>	Off Location @ <u>8:00 am</u>	



	REPORTED	CORRECTED
Opened Tool @	<u>1:00 am</u>	hrs.
Flow No. 1	<u>30</u>	min.
Shut-in No. 1	<u>45</u>	min.
Flow No. 2	<u>90</u>	min.
Shut-in No. 2	<u>60</u>	min.
Flow No. 3	<u>--</u>	min.
Shut-in No. 3	<u>--</u>	min.
Recorder Type	<u>Kuster AK-1</u>	
No. <u>25538</u>	Cap. <u>5175</u>	psi
Depth <u>          </u>	<u>4269</u>	feet
	Inside <u>X</u>	Outside
Clock No. <u>8622</u>	Hr. <u>12</u>	
Initial Hydrostatic	A	<u>2224</u>
Final Hydrostatic	K	<u>2208</u>
Initial Flow	B	<u>76</u>
Final Initial Flow	C	<u>52</u>
Initial Shut-in	D	<u>86</u>
Second Initial Flow	E	<u>68</u>
Second Final Flow	F	<u>48</u>
Second Shut-in	G	<u>81</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>

Pipe Recovery: 180' Gas in pipe above fluid.  
40' Gas cut oil specked mud = .19 bbls

Surface Blow:  
1st Flow: Tool opened with a 2" blow, increased to a bottom of bucket blow in 4 minutes, increased slightly throughout the flow period.  
2nd Flow: Tool opened with a fair blow, increased to a bottom of bucket blow and remained throughout flow period.

Operator **GRAVES DRILLING COMPANY, INC.**  
 Ticket No. **499**  
 Well Name & No. **DAWSON-GRESS #1**  
 Date **11-11-84**  
 DST No. **3**  
 Interval **4281-4325'**

# Drill Stem Testers, Inc.

## DISTRIBUTION OF FINAL REPORTS

GRAVES DRILLING CO., INC.

DAWSON-GRESS #1

Operator

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