

Company Crowe Drilling Company, Inc. Lease & Well No. #1 Enegren
Elevation 1264 Kelly Bushing Formation Stalnaker Effective Pay - Ft. Ticker No. 13285
Date 8/21/82 Sec. 33 Twp. 29S Range 2W County Sedgwick State Kansas
Test Approved by Frank W. Brooks Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 2651 ft. to 2663 ft. Total Depth 2663 ft.
Packer Depth 2651 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2655 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 2658 ft. Recorder Number 1049 Cap. 4250
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor R. R. A. Drlg. Rig #1 Drill Collar Length 210 I. D. - in.
Mud Type chemical Viscosity - Weight Pipe Length - I. D. - in.
Weight 9.1 Water Loss 16 cc. Drill Pipe Length - I. D. - in.
Chlorides 2,000 P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 12 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Very weak and died in three minutes.

Recovered 1 ft. of mud
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -

Remarks: Read outside chart

Time Set Packer(s) 5:40 A.M. Time Started Off Bottom 6:40 A.M. Maximum Temperature 105°
Initial Hydrostatic Pressure 1362 P.S.I.
Initial Flow Period 30 Minutes (B) 21 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period 30 Minutes (D) 148 P.S.I.
Final Flow Period -- Minutes (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period -- Minutes (G) -- P.S.I.
Final Hydrostatic Pressure 1294 P.S.I. (H)

WESTERN TESTING CO., INC. Pressure Data

Date 8/21/82

Recorder No. 1049

Capacity 4250

Test Ticket No. 13285

Clock No. --

Elevation 1264 Kelly Bushing

Location 2658 Ft.

Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1362</u>	P.S.I.	<u>5:40A</u>	<u>M</u>
B First Initial Flow Pressure	<u>21</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>21</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>148</u>	P.S.I.	<u>--</u>	<u>--</u>
E Second Initial Flow Pressure	<u>--</u>	P.S.I.	<u>--</u>	<u>--</u>
F Second Final Flow Pressure	<u>--</u>	P.S.I.	<u>--</u>	<u>--</u>
G Final Closed-in Pressure	<u>--</u>	P.S.I.	<u>--</u>	<u>--</u>
H Final Hydrostatic Mud	<u>1294</u>	P.S.I.	<u>--</u>	<u>--</u>

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 10 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 0 Inc.

of 5 mins. and a

final inc. of 0 Min.

Final Shut-In

Breakdown: 0 Inc.

of 3 mins. and a

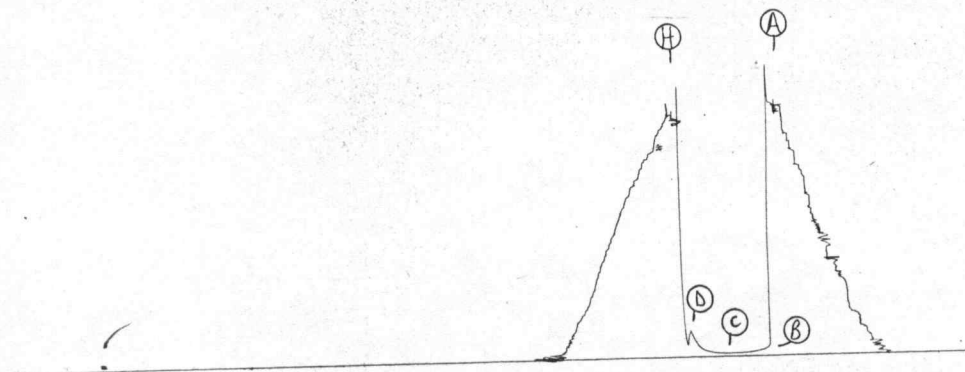
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>				
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>22</u>				
P 3 <u>10</u>	<u>21</u>	<u>6</u>	<u>23</u>				
P 4 <u>15</u>	<u>21</u>	<u>9</u>	<u>25</u>				
P 5 <u>20</u>	<u>21</u>	<u>12</u>	<u>30</u>				
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>35</u>				
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>42</u>				
P 8		<u>21</u>	<u>57</u>				
P 9		<u>24</u>	<u>87</u>				
P10		<u>27</u>	<u>133</u>				
P11		<u>30</u>	<u>148</u>				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 13285



1049
DST # 1



Company Crowe Drilling Company, Inc. Lease & Well No. #1 Enegren
Elevation 1264 Kelly Bushing Stalnaker Effective Pay - Ft. Ticket No. 13286
Date 8/21/82 Sec. 33 Twp. 29S Range 2W County Sedgwick State Kansas
Test Approved by Frank W. Brooks Western Representative Kenny Kirkendall
Formation Test No. 2 Interval Tested from 2650 ft. to 2677 ft. Total Depth 2677 ft.
Packer Depth 2650 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 2655 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 2658 ft. Recorder Number 1049 Cap. 4250
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor R. R. A. Drlg. Rig #1 Drill Collar Length 210 I. D. - in.
Mud Type chemical Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length - I. D. - in.
Chlorides 4,000 P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 27 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak building to fair and decreasing at end of initial flow period.

Recovered 375 ft. of muddy salt water

Recovered - ft. of Chlorides 62,000 ppm

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) - A.M. P.M. Time Started Off Bottom -- A.M. P.M. Maximum Temperature 105°
Initial Hydrostatic Pressure - (A) 1338 P.S.I.
Initial Flow Period - Minutes 30 (B) 38 P.S.I. to (C) 148 P.S.I.
Initial Closed In Period - Minutes 30 (D) 1047 P.S.I.
Final Flow Period - Minutes -- (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period - Minutes -- (G) -- P.S.I.
Final Hydrostatic Pressure - (H) 1338 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/21/82 Test Ticket No. 13286
 Recorder No. 2605 Capacity 4150 Location 2655 Ft.
 Clock No. -- Elevation 1264 Kelly Bushing Well Temperature 105 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1338 P.S.I.	--	M
B First Initial Flow Pressure	38 P.S.I.	30	30 Mins.
C First Final Flow Pressure	148 P.S.I.	30	30 Mins.
D Initial Closed-in Pressure	1047 P.S.I.	--	-- Mins.
E Second Initial Flow Pressure	-- P.S.I.	--	-- Mins.
F Second Final Flow Pressure	-- P.S.I.	--	-- Mins.
G Final Closed-in Pressure	-- P.S.I.	--	-- Mins.
H Final Hydrostatic Mud	1338 P.S.I.	--	-- Mins.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>38</u>	<u>0</u>	<u>148</u>				
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>881</u>				
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>941</u>				
P 4 <u>15</u>	<u>78</u>	<u>9</u>	<u>972</u>				
P 5 <u>20</u>	<u>106</u>	<u>12</u>	<u>992</u>				
P 6 <u>25</u>	<u>132</u>	<u>15</u>	<u>1007</u>				
P 7 <u>30</u>	<u>148</u>	<u>18</u>	<u>1023</u>				
P 8		<u>21</u>	<u>1032</u>				
P 9		<u>24</u>	<u>1040</u>				
P10		<u>27</u>	<u>1045</u>				
P11		<u>30</u>	<u>1047</u>				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 13286

2605

DST # 2

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