

Company Kansas Oil Corporation Lease & Well No. Gerberding #1  
 Elevation 1212 Kelly Bushing Towanda Formation Effective Pay ----- Ft. Ticket No. 6878  
 Date 10/21/80 Sec. 31 Twp. 33S Range 4W County Sumner State Kansas  
 Test Approved by Rober L. Lewellyn Western Representative Roger A Mounts

Formation Test No. 1 Interval Tested from 1194 ft. to 1226 ft. Total Depth 1226 ft.  
 Packer Depth 1189 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 1194 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 1204 ft. Recorder Number 1566 Cap. 4300  
 Bottom Recorder Depth (Outside) 1207 ft. Recorder Number 3086 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 93 I. D. 2.2 in.  
 Mud Type Native & gel Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss N/c cc. Drill Pipe Length 1081 I. D. 3.8 in.  
 Chlorides 80,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make No Serial Number -- Anchor Length 32 ft. Size 5 1/2 OD 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: MISRUN

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ MISRUN  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOOL STOPPED AT 742 FEET CAME OUT TO CONDITION HOLE

NO PRESSURES AVAILABLE

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		(A)	P.S.I.	
Initial Flow Period		Minutes (B)	P.S.I. to (C)	P.S.I.
Initial Closed In Period		Minutes (D)	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)	P.S.I.	

3086

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MANILA

Company Kansas Oil Corporation Lease & Well No. Gerberding #1  
 Elevation 1212 Kelly Bushing Towanda Formation Effective Pay --- Ft. Ticket No. 6879  
 Date 10/21/80 Sec. 31 Twp. 33S Range 4W County Summer State Kansas  
 Test Approved by Robert L. Lewellyn Western Representative Roger A. Mounts

Formation Test No. 2 Interval Tested from 1194 ft. to 1226 ft. Total Depth 1226 ft.  
 Packer Depth 1189 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 1194 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 1204 ft. Recorder Number 1566 Cap. 4300  
 Bottom Recorder Depth (Outside) 1207 ft. Recorder Number 3086 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Spartan Drlg. Co. Rig #2 Drill Collar Length 93 I. D. 2.2 in.  
 Mud Type gel-premix Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss N/C cc. Drill Pipe Length 1081 I. D. 3.8 in.  
 Chlorides 86,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make No Serial Number No Anchor Length 3/4 32 ft. Size 5 1/2 OD 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: Good strong blow with good build on initial flow period. Same blow with slight decrease in final flow period. No gas to surface.

Recovered 45 ft. of drilling fluid  
 Recovered 60 ft. of muddy water  
 Recovered 240 ft. of salt water 106,000 ppm chlorides  
 Recovered        ft. of         
 Recovered        ft. of       

Remarks: \_\_\_\_\_

Time Set Packer(s) 7:05 ~~AM~~ P.M. Time Started Off Bottom 9:05 ~~AM~~ P.M. Maximum Temperature 94°  
 Initial Hydrostatic Pressure ..... (A) 607 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 43 P.S.I. to (C) 94 P.S.I.  
 Initial Closed In Period ..... Minutes 27 (D) 515 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 142 P.S.I. to (F) 172 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 513 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 568 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 10-21-80 Test Ticket No. 6879  
 Recorder No. 1566 Capacity 4300 Location 1204 Ft.  
 Clock No. - Elevation 1212 Kelly Bushing Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>607</u> P.S.I.	Open Tool	<u>7:05P</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>94</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>515</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>142</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>172</u> P.S.I.			
G Final Closed-in Pressure	<u>513</u> P.S.I.			
H Final Hydrostatic Mud	<u>568</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u> 43	<u>0</u>	<u>94</u>	<u>0</u>	<u>142</u>	<u>0</u>	<u>172</u>
P 2	<u>5</u> 45	<u>3</u>	<u>244</u>	<u>5</u>	<u>145</u>	<u>3</u>	<u>318</u>
P 3	<u>10</u> 52	<u>6</u>	<u>335</u>	<u>10</u>	<u>151</u>	<u>6</u>	<u>380</u>
P 4	<u>15</u> 60	<u>9</u>	<u>396</u>	<u>15</u>	<u>157</u>	<u>9</u>	<u>426</u>
P 5	<u>20</u> 71	<u>12</u>	<u>433</u>	<u>20</u>	<u>162</u>	<u>12</u>	<u>450</u>
P 6	<u>25</u> 82	<u>15</u>	<u>459</u>	<u>25</u>	<u>167</u>	<u>15</u>	<u>465</u>
P 7	<u>30</u> 94	<u>18</u>	<u>489</u>	<u>30</u>	<u>172</u>	<u>18</u>	<u>483</u>
P 8		<u>21</u>	<u>500</u>			<u>21</u>	<u>493</u>
P 9		<u>24</u>	<u>510</u>			<u>24</u>	<u>502</u>
P10		<u>27</u>	<u>515</u>			<u>27</u>	<u>509</u>
P11						<u>30</u>	<u>513</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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