

FORMATION TEST REPORT



HOME OFFICE: GREAT BEND, KANSAS
P. O. BOX 793 PHONE 793-7903

COMPANY Pickreel Drilling Co.

LEASE AND WELL NO

Einsel B-1

2

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Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Einsel B-1
Elevation 2008 Kelly Bushing Formation Mississippian Effective Pay 5 Ft. Ticket No. 12633
Date 5-15-69 Sec. 2 Twp. 33 Range 17 County Comanche State Kansas
Test Approved by F. Judson Hipps Western Representative Leon Elmore
Formation Test No. 2 O.K. Misrun Interval Tested From 5158' to 5170' Total Depth 5170'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv B.T. Damaged Yes No
Packer Depth 5153 Ft. Size 6 3/4" Packer Depth 5158 Ft. Size 6 3/4"
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 12 Ft. Size 5 1/2" O.D.
RECORDERS Depth 5162 Ft. Clock No. 6866 Depth 5165 Ft. Clock No. 8377
Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 6:01 A.M.
Tool Open I.F.P. From 6:02 M. to 6:12A. M. Hr. 10 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From 6:12 M. to 6:42A. M. Hr. 30 Min. (D) 1608 P.S.I.
Tool Open F.F.P. From 6:42 M. to 7:27A. M. Hr. 45 Min. From (E) 11 P.S.I. To (F) 19 P.S.I.
Tool Closed F.C.I.P. From 7:27 M. to 7:57A. M. Hr. 30 Min. (G) 1407 P.S.I.
Initial Hydrostatic Pressure (A) 2879 P.S.I. Final Hydrostatic Pressure (H) 2856 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak for 10 minutes Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 40 feet mud

Reversed Out Yes No Mud Type Starch Viscosity 42 Weight 10 Water Loss 108 cc. Maximum Temp. 128 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4 1/2 OD Make WTC Ser. No. 408
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 4506 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 625 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 39 ft.

Remarks Open tool for final flow - No blow - Flush tool in 30 minutes - No blow

WESTERN TESTING CO., INC.
Pressure Data

Date 5-15-69 Test Ticket No. 12633
 Recorder No. 3085 Capacity 4500 Location _____ Ft.
 Clock No. 6866 Elevation 2008 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	A.	Time Computed
A Initial Hydrostatic Mud	<u>2879</u>	P.S.I.	<u>6:01</u>		
B First Initial Flow Pressure	<u>7</u>	P.S.I.	<u>10</u>		<u>10</u>
C First Final Flow Pressure	<u>7</u>	P.S.I.	<u>30</u>		<u>30</u>
D Initial Closed-in Pressure	<u>1608</u>	P.S.I.	<u>45</u>		<u>45</u>
E Second Initial Flow Pressure	<u>11</u>	P.S.I.	<u>30</u>		<u>32</u>
F Second Final Flow Pressure	<u>19</u>	P.S.I.			
G Final Closed-in Pressure	<u>1407</u>	P.S.I.			
H Final Hydrostatic Mud	<u>2856</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 2 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

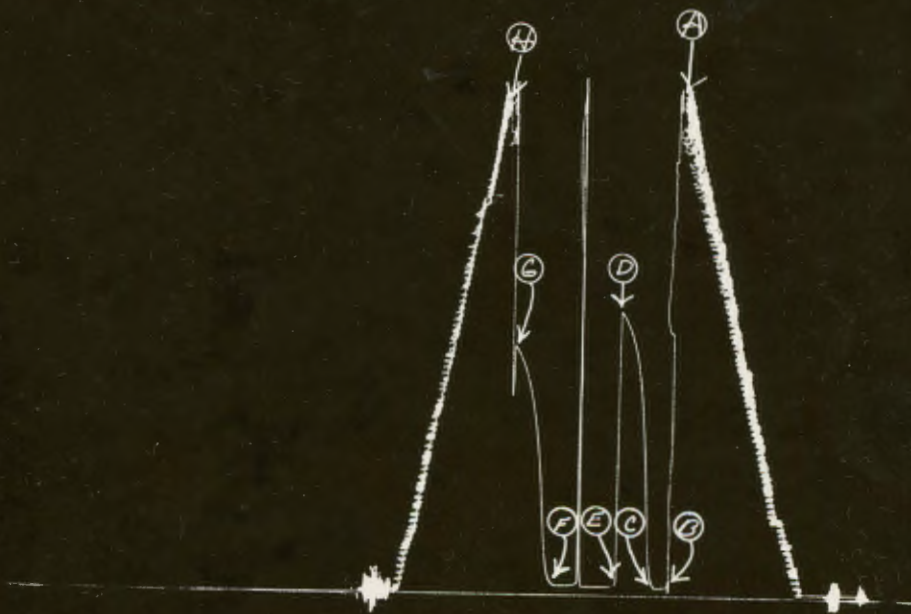
Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>7</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>19</u>
P 2 <u>5</u>	<u>7</u>	<u>3</u>	<u>33</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>35</u>
P 3 <u>10</u>	<u>7</u>	<u>6</u>	<u>121</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>107</u>
P 4 _____		<u>9</u>	<u>523</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>267</u>
P 5 _____		<u>12</u>	<u>990</u>	<u>20</u>	<u>11</u>	<u>12</u>	<u>653</u>
P 6 _____		<u>15</u>	<u>1210</u>	<u>25</u>	<u>11</u>	<u>15</u>	<u>850</u>
P 7 _____		<u>18</u>	<u>1346</u>	<u>30</u>	<u>11</u>	<u>18</u>	<u>1039</u>
P 8 _____		<u>21</u>	<u>1453</u>	<u>35</u>	<u>19</u>	<u>21</u>	<u>1170</u>
P 9 _____		<u>24</u>	<u>1534</u>	<u>40</u>	<u>19</u>	<u>24</u>	<u>1242</u>
P10 _____		<u>27</u>	<u>1585</u>	<u>45</u>	<u>19</u>	<u>21</u>	<u>1309</u>
P11 _____		<u>30</u>	<u>1608</u>			<u>30</u>	<u>1374</u>
P12 _____						<u>32</u>	<u>1407</u>
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Pickrell Drilling Co.
Einzel # B-1

TKT-12633
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2874	2879	PSI
(B) First Initial Flow Pressure	11	7	PSI
(C) First Final Flow Pressure	11	7	PSI
(D) Initial Closed-in Pressure	1609	1608	PSI
(E) Second Initial Flow Pressure	11	11	PSI
(F) Second Final Flow Pressure	18	19	PSI
(G) Final Closed-in Pressure	1407	1407	PSI
(H) Final Hydrostatic Mud	2851	2856	PSI