



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

Company Mack Oil Company Lease & Well No. Chilson #1
Elevation 2219 Kelly Bushings Formation Mississippian Effective Pay 11 Ft. Ticket No. 18588
Date 12-4-72 Sec. 11 Twp. 23 Range 22 County Hodgeman State Kansas
Test Approved by Benny C. Singleton Jr. Western Representative Leon Elmore

Formation Test No. 1 O.K. Misrun Interval Tested From 4474' to 4485' Total Depth 4485'
Size Main Hole 7 7/8" Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4469 Ft. Size 6 3/4" Packer Depth 4474 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 11 Ft. Size 5 1/2" O.D.
RECORDERS Depth 4478 Ft. Clock No. 8377 Depth 4481 Ft. Clock No. 5665
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 9:48 A. M.
Tool Open I.F.P. From 9:52 M. to 10:22A M. Hr. 30 Min. From (B) 13 P.S.I. To (C) 581 P.S.I.
Tool Closed I.C.I.P. From 10:22 M. to 10:52A M. Hr. 30 Min. (D) 1399 P.S.I.
Tool Open F.F.P. From 10:52 M. to 11:52A M. Hr. 60 Min. From (E) 597 P.S.I. To (F) 976 P.S.I.
Tool Closed F.C.I.P. From 11:52 M. to 12:22P M. Hr. 30 Min. (G) 1398 P.S.I.
Initial Hydrostatic Pressure (A) 2311 P.S.I. Final Hydrostatic Pressure (H) 2281 P.S.I.

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

BLOW Strong - thru out Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 2120 feet total fluid - 500 feet slightly gas and oil cut
muddy water - 180 feet slightly gas and oil cut water - 120 feet water with scum of oil -
1320 feet salt water

Reversed Out Yes No Mud Type Chem. Viscosity 45 Weight 9.6 Water Loss 18.8 cc. Maximum Temp. 123 °F
Type Circ. Sub. Plug Safety Joint No Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where?
Length Drill Pipe 3403 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 850 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 232 ft.
I.D. Drill Collars 2 1/4 in. Length D.S.T. Tool 31 ft.

Remarks

WESTERN TESTING CO., INC.

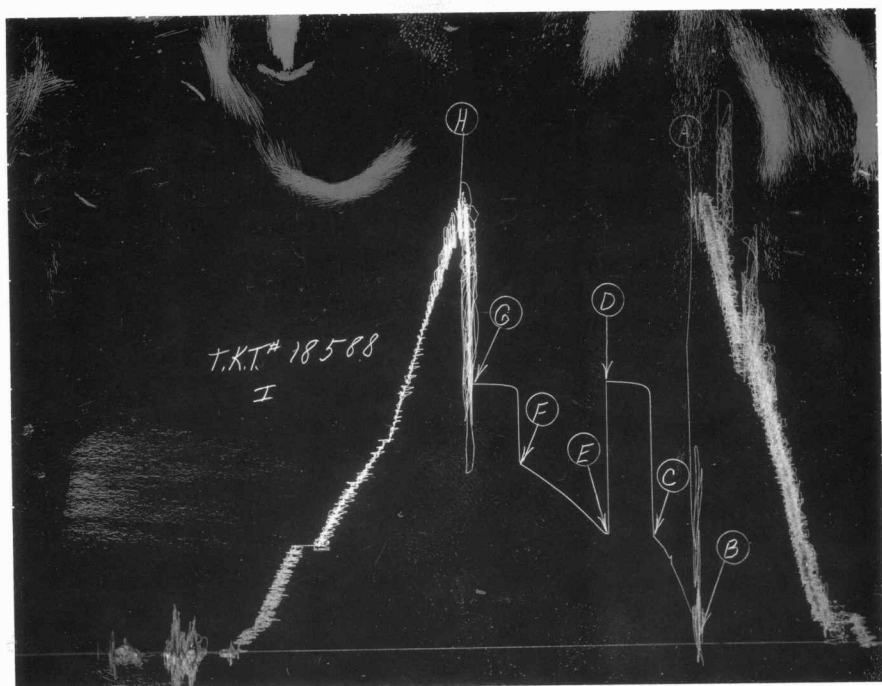
Pressure Data

Date 12-4-72 Recorder No. 3085 Capacity 4500 Test Ticket No. 18588
 Clock No. 8377 Elevation 2219 Kelly Bushings Location 4478 Ft. Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2311</u>	P.S.I.	<u>9:52 A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>13</u>	P.S.I.	<u>30</u>	<u>29</u>
C First Final Flow Pressure	<u>581</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>1399</u>	P.S.I.	<u>60</u>	<u>58</u>
E Second Initial Flow Pressure	<u>597</u>	P.S.I.	<u>30</u>	<u>30</u>
F Second Final Flow Pressure	<u>976</u>	P.S.I.		
G Final Closed-in Pressure	<u>1398</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2281</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>10</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>4</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>3</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>13</u>	<u>0</u>	<u>581</u>	<u>0</u>	<u>597</u>	<u>0</u>	<u>976</u>
P 2 <u>5</u>	<u>174</u>	<u>3</u>	<u>1356</u>	<u>5</u>	<u>620</u>	<u>3</u>	<u>1372</u>
P 3 <u>10</u>	<u>291</u>	<u>6</u>	<u>1377</u>	<u>10</u>	<u>662</u>	<u>6</u>	<u>1384</u>
P 4 <u>15</u>	<u>389</u>	<u>9</u>	<u>1384</u>	<u>15</u>	<u>701</u>	<u>9</u>	<u>1388</u>
P 5 <u>20</u>	<u>488</u>	<u>12</u>	<u>1388</u>	<u>20</u>	<u>743</u>	<u>12</u>	<u>1391</u>
P 6 <u>25</u>	<u>546</u>	<u>15</u>	<u>1390</u>	<u>25</u>	<u>778</u>	<u>15</u>	<u>1393</u>
P 7 <u>29</u>	<u>581</u>	<u>18</u>	<u>1393</u>	<u>30</u>	<u>816</u>	<u>18</u>	<u>1394</u>
P 8		<u>21</u>	<u>1395</u>	<u>35</u>	<u>848</u>	<u>21</u>	<u>1395</u>
P 9		<u>24</u>	<u>1397</u>	<u>40</u>	<u>878</u>	<u>24</u>	<u>1396</u>
P10		<u>27</u>	<u>1398</u>	<u>45</u>	<u>909</u>	<u>27</u>	<u>1397</u>
P11		<u>30</u>	<u>1399</u>	<u>50</u>	<u>937</u>	<u>30</u>	<u>1398</u>
P12				<u>55</u>	<u>960</u>		
P13				<u>58</u>	<u>976</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2280	2311	PSI
(B) First Initial Flow Pressure	11	13	PSI
(C) First Final Flow Pressure	583	581	PSI
(D) Initial Closed-in Pressure	1401	1399	PSI
(E) Second Initial Flow Pressure	600	597	PSI
(F) Second Final Flow Pressure	973	976	PSI
(G) Final Closed-in Pressure	1401	1398	PSI
(H) Final Hydrostatic Mud	2269	2281	PSI