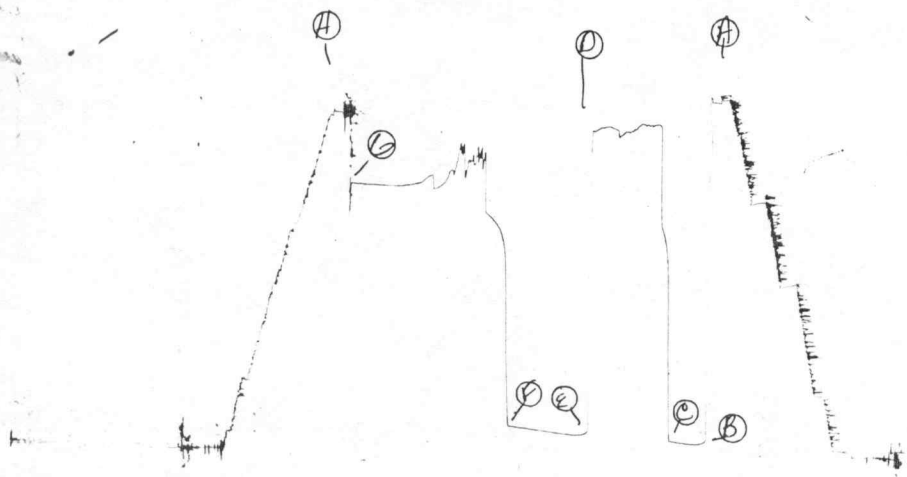


3/4 #11109

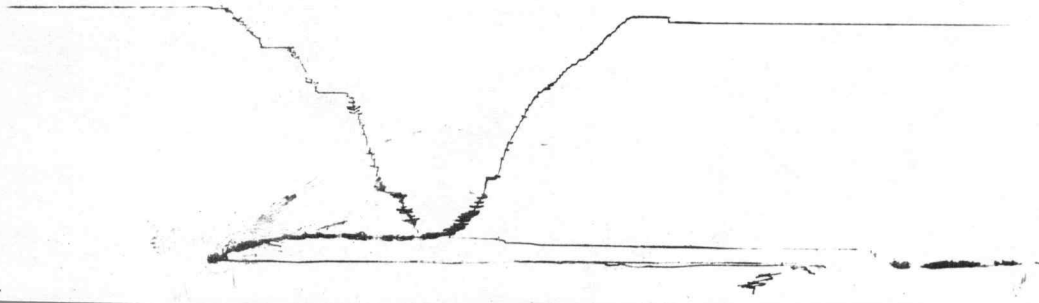
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4KT11109

13268



Sta # 11109
Below Straddle



Company K. R. M. Petroleum Corporation Lease & Well No. Bogner #1-11
Elevation 1625 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 11109
Date 5/2/81 Sec. 11 Twp. 28S Range 9W County Kingman State Kansas
Test Approved by J. Copeland Laudos Western Representative Norman Allen
Formation Test No. 1 Interval Tested from 3748 ft. to 3787 ft. Total Depth 4473 ft.
Packer Depth 3743 ft. Size 6 3/4 in. Packer Depth 3787 ft. Size 6 3/4 in.
Packer Depth 3748 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3467 ft. Recorder Number 13268 Cap. 4225
Bottom Recorder Depth (Outside) 3470 ft. Recorder Number 1559 Cap. 4200
Below Straddle Recorder Depth 4470 ft. Recorder Number 24 Cap. 4000
Drilling Contractor Rains & Williamson Rig #3 Drill Collar Length 60 I. D. 2 1/4 in.
Mud Type Starch Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 16.8 cc. Drill Pipe Length 3661 I. D. 3.8 in.
Chlorides 34,000 P.P.M. Test Tool Length 752 ft. Tool Size 5 1/2 OD & DP in. DC
Jars: Make WIC Serial Number 401 Anchor Length 39 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: Fair throughout test

Recovered 245 ft. of salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:30 ~~A.M.~~ P.M. Time Started Off Bottom 4:00 ~~A.M.~~ P.M. Maximum Temperature 115
Initial Hydrostatic Pressure (A) 1877 P.S.I.
Initial Flow Period Minutes 30 (B) 47 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period Minutes 60 (D) 1735* P.S.I.
Final Flow Period Minutes 60 (E) 94 P.S.I. to (F) 125 P.S.I.
Final Closed In Period Minutes 120 (G) 1443* P.S.I.
Final Hydrostatic Pressure (H) 1825 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/2/81 Test Ticket No. 11109
 Recorder No. 13268 Capacity 4225 Location 3467 Ft.
 Clock No. - Elevation 1625 Kelly Bushing Well Temperature 115 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1877 P.S.I.	11:30A	M
B First Initial Flow Pressure	47 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	51 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1735* P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	94 P.S.I.	120 Mins.	120 Mins.
F Second Final Flow Pressure	125 P.S.I.	*Pressures questionable due to tool movement.	
G Final Closed-in Pressure	1443* P.S.I.		
H Final Hydrostatic Mud	1825 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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>47</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>94</u>	<u>0</u>	<u>125</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>1103</u>	<u>5</u>	<u>83</u>	<u>3</u>	<u>1013</u>
P 3 <u>10</u>	<u>35</u>	<u>6</u>	<u>1209</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>1171</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>1772*</u>	<u>15</u>	<u>85</u>	<u>9</u>	<u>1219</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>1772*</u>	<u>20</u>	<u>88</u>	<u>12</u>	<u>1249</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>1768*</u>	<u>25</u>	<u>92</u>	<u>15</u>	<u>1270</u>
P 7 <u>30</u>	<u>51</u>	<u>18</u>	<u>1770*</u>	<u>30</u>	<u>98</u>	<u>18</u>	<u>1289</u>
P 8 _____		<u>21</u>	<u>1774*</u>	<u>35</u>	<u>103</u>	<u>21</u>	<u>1641*</u>
P 9 _____		<u>24</u>	<u>1766*</u>	<u>40</u>	<u>109</u>	<u>24</u>	<u>1641*</u>
P10 _____		<u>27</u>	<u>1745*</u>	<u>45</u>	<u>115</u>	<u>27</u>	<u>1555*</u>
P11 _____		<u>30</u>	<u>1734*</u>	<u>50</u>	<u>118</u>	<u>30</u>	<u>1572*</u>
P12 _____		<u>33</u>	<u>1734*</u>	<u>55</u>	<u>123</u>	<u>33</u>	<u>1519*</u>
P13 _____		<u>36</u>	<u>1719*</u>	<u>60</u>	<u>125</u>	<u>36</u>	<u>1646*</u>
P14 _____		<u>39</u>	<u>1738*</u>			<u>39</u>	<u>1603*</u>
P15 _____		<u>42</u>	<u>1749*</u>			<u>42</u>	<u>1515*</u>
P16 _____		<u>45</u>	<u>1759*</u>			<u>45</u>	<u>1515*</u>
P17 _____		<u>48</u>	<u>1757*</u>			<u>48</u>	<u>1462*</u>
P18 _____		<u>51</u>	<u>1754*</u>			<u>51</u>	<u>1437*</u>
P19 _____		<u>54</u>	<u>1745*</u>			<u>54</u>	<u>1424*</u>
P20 _____		<u>57</u>	<u>1736*</u>			<u>57</u>	<u>1418*</u>
WTC - 4		<u>60</u>	<u>1735*</u>			<u>60</u>	<u>1487*</u>

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 5/2/81 Test Ticket No. 11109
 Recorder No. 13268 Capacity 4225 Location 3467 Ft.
 Clock No. - Elevation 1625 Kelly Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1877	P.S.I.	11:30A	M
B First Initial Flow Pressure	47	P.S.I.	30	30 Mins.
C First Final Flow Pressure	51	P.S.I.	60	60 Mins.
D Initial Closed-in Pressure	1735*	P.S.I.	60	60 Mins.
E Second Initial Flow Pressure	94	P.S.I.	120	120 Mins.
F Second Final Flow Pressure	125	P.S.I.		
G Final Closed-in Pressure	1443*	P.S.I.		
H Final Hydrostatic Mud	1825	P.S.I.		

*Pressures questionable due to tool movement.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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						63	1475*
P 2						66	1451*
P 3						69	1447*
P 4						72	1441*
P 5						75	1437*
P 6						78	1435*
P 7						81	1432*
P 8						84	1432*
P 9						87	1432*
P10						90	1432*
P11						93	1434*
P12						96	1435*
P13						99	1436*
P14						102	1437*
P15						105	1438*
P16						108	1439*
P17						111	1440*
P18						114	1441*
P19						117	1442*
P20						120	1443*

TO: K. R. M. Petroleum Corporation
820 Guaranty Bank Bldg
817 - 17th St
Denver, Colorado 80202

FROM: Western Testing Company, Inc.
PO Box 1599
Wichita, Kansas 67201

DATE: 5/2/81; 5/2/81; & 5/3/81

SUBJECT: Copies of drill stem test mailed to interest owners:

DRILL STEM TEST NUMBER: 1, 2 & 3

WELL NAME AND NUMBER: Bogner #1-11

COUNTY: Kingman

COPIES MAILED TO:

K. R. M. Petroleum Corporation
820 Guaranty Bank Bldg
817 - 17th St
Denver, Colorado 80202
(3 copies & invoice)

Mr. Guy Francin
410 - 17th St. Suite 540
Denver, Colorado 80202
(one copy)

Mr. Landon Curry
425 Guaranteed Bank Plaza
Corpus Christi, Texas 78475
(one copy)

Mr. Walter Phillips
1010 Century Plaza Bldg
Wichita, Kansas 67202
(one copy)

Flare Petroleums
620 Denver Center Bldg
1776 Lincoln
Denver, Colorado 80203
(one copy)

Mr. Joseph Thomas
PO Box 4
Cinton, Texas 78387
(one copy)

Wilmoth Interest
PO Box 203
Marion Center, Pennsylvania 15759
(One copy)

Loyd Jones
Jones Well Service
PO Box 816
Perryton, Texas 79070
(one copy)

Skt # 11110

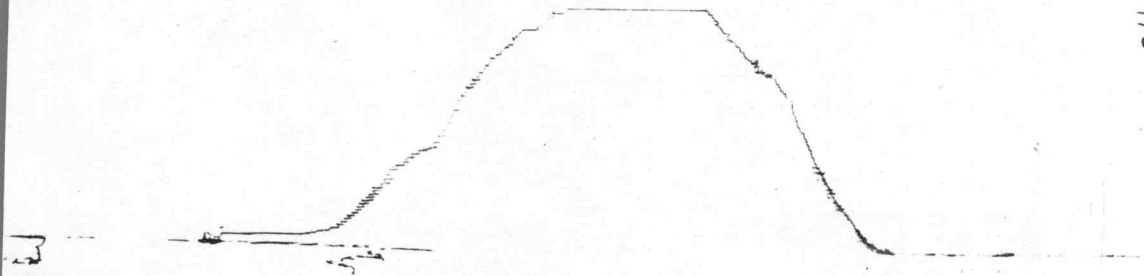
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13268



TKT 11110

JK # 11110
Below Straddle



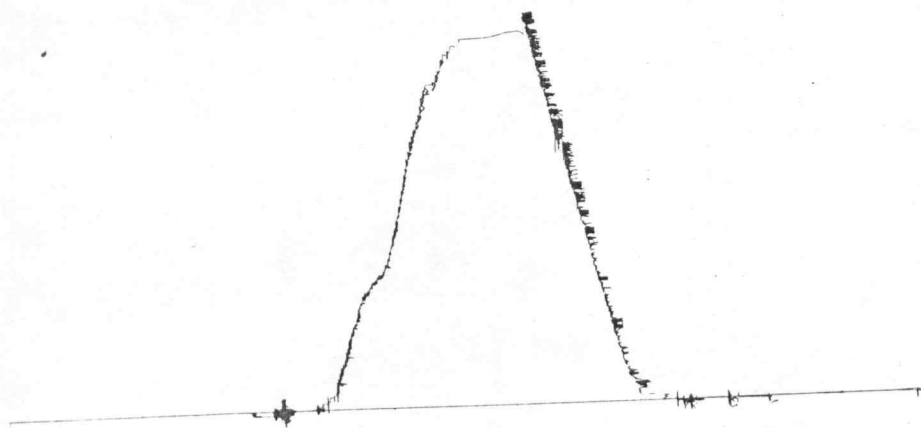
24 JK 11110

SLA # 11110

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1559



Company K. R. M. Petroleum Corporation Lease & Well No. Bogner #1-11
Elevation 1625 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 11110
Date 5/2/81 Sec. 11 Twp. 28S Range 9W County Kingman State Kansas
Test Approved by J. Copeland Laudos Western Representative Norman Allen
Formation Test No. 2 Interval Tested from 3987 ft. to 4056 ft. Total Depth 4473 ft.
Packer Depth 3982 ft. Size 6 3/4 in. Packer Depth 4056 ft. Size 6 3/4 in.
Packer Depth 3987 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4015 ft. Recorder Number 13268 Cap. 4225
Bottom Recorder Depth (Outside) 4018 ft. Recorder Number 1559 Cap. 4200
Below Straddle Recorder Depth 4060 ft. Recorder Number 24 Cap. 4200
Drilling Contractor Rains & Williamson Rig #3 Drill Collar Length 60 I. D. 2 1/4 in.
Mud Type Starch Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 16.8 cc. Drill Pipe Length 3950 I. D. 3.8 in.
Chlorides 34,000 P.P.M. Test Tool Length 523 ft. Tool Size 5 1/2 OD-DC in.
Jars: Make WTC Serial Number 401 Anchor Length 69 ft. Size 5 1/2 OD-DP in.
Did Well Flow? - Reversed Out - 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: _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Tool would not go to bottom - Stopped 25 ft. off bottom.

MISRUN - NO PRESSURES AVAILABLE

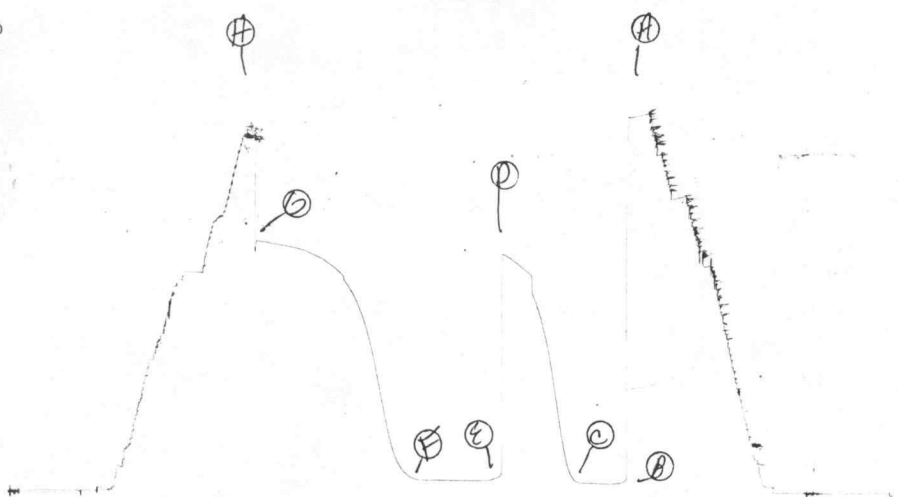
Time Set Packer(s) - A.M. 11:00 P.M. - Maximum Temperature -
Initial Hydrostatic Pressure (A) - P.S.I.
Initial Flow Period Minutes - (B) - P.S.I. to (C) - P.S.I.
Initial Closed In Period Minutes - (D) - P.S.I.
Final Flow Period Minutes - (E) - P.S.I. to (F) - P.S.I.
Final Closed In Period Minutes - (G) - P.S.I.
Final Hydrostatic Pressure (H) - P.S.I.

JK # 1111

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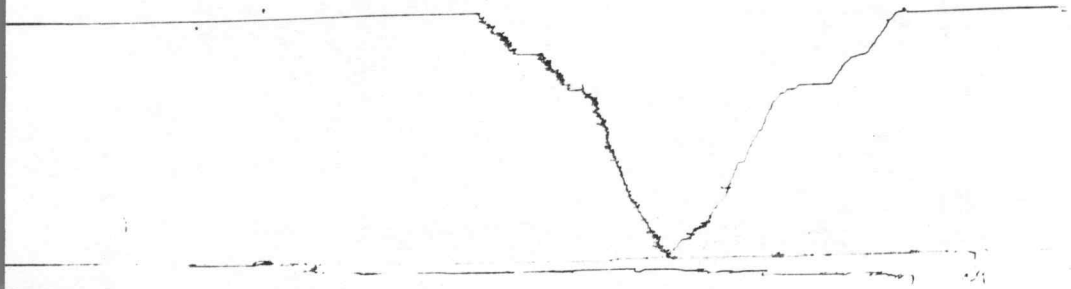
13258

TKT 1111



St # 7111
Below Straddle

#24 7/11/11



Company K. R. M. Petroleum Corporation Lease & Well No. Bogner #1-11
Elevation 1625 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 11111
Date 5/3/81 Sec. 11 Twp. 28S Range 9W County Kingman State Kansas
Test Approved by J. Copeland Laudos Western Representative Norman Allen

Formation Test No. 3 Interval Tested from 3987 ft. to 4056 ft. Total Depth 4473 ft.

Packer Depth 3982 ft. Size 6 3/4 in. Packer Depth 4056 ft. Size 6 3/4 in.

Packer Depth 3987 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4015 ft.

Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 4018 ft.

Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth 4060 ft.

Recorder Number 24 Cap. 4000

Drilling Contractor Rains & Williamson Rig #3

Drill Collar Length 60 I. D. 2 1/4 in.

Mud Type Starch Viscosity 47

Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 18.0 cc.

Drill Pipe Length 3950 I. D. 3.8 in.

Chlorides 3400 P.P.M.

Test Tool Length 523 ft. Tool Size 5 1/2 OD & DC in.

Jars: Make WTC Serial Number 401

Anchor Length 69 ft. Size 5 1/2 OD & DB 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 to very weak at end of test.

Recovered 90 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:30 A.M. Time Started Off Bottom 10:00 A.M. Maximum Temperature 117
Initial Hydrostatic Pressure 2100 P.S.I.
Initial Flow Period 35 Minutes (B) 120 P.S.I. to (C) 105 P.S.I.
Initial Closed In Period 57 Minutes (D) 1359* P.S.I.
Final Flow Period 60 Minutes (E) 145 P.S.I. to (F) 118 P.S.I.
Final Closed In Period 120 Minutes (G) 1427 P.S.I.
Final Hydrostatic Pressure 2035 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/3/81 Recorder No. 13268 Capacity 4225 Test Ticket No. 11111
 Clock No. - Elevation 1625 Kelly Bushing Location 4015 Ft. 117 °F
 Well Temperature 117

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2100 P.S.I.	5:30P	M
B First Initial Flow Pressure	120 P.S.I.	30 Mins.	35 Mins.
C First Final Flow Pressure	105 P.S.I.	60 Mins.	57 Mins.
D Initial Closed-in Pressure	1359* P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	145 P.S.I.	120 Mins.	120 Mins.
F Second Final Flow Pressure	118 P.S.I.	*Pressures questionable due to tool movement.	
G Final Closed-in Pressure	1427 P.S.I.		
H Final Hydrostatic Mud	2035 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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 0	120	0	105	0	145	0	118
P 2 5	104	3	115	5	126	3	124
P 3 10	100	6	147	10	118	6	132
P 4 15	100	9	209	15	115	9	150
P 5 20	102	12	318	20	115	12	173
P 6 25	104	15	457	25	115	15	205
P 7 30	105	18	615	30	115	18	256
P 8 35	105	21	757	35	115	21	333
P 9		24	874	40	117	24	432
P10		27	970	45	117	27	532
P11		30	1049	50	117	30	645
P12		33	1110	55	117	33	764
P13		36	1249*	60	118	36	857
P14		39	1268*			39	943
P15		42	1285*			42	1011
P16		45	1304*			45	1070
P17		48	1323*			48	1118
P18		51	1340*			51	1160
P19		54	1350*			54	1194
P20		57	1359*			57	1243
						60	1266

WESTERN TESTING CO., INC.

Pressure Data

Date 5/3/81 Recorder No. 13268 Capacity 4225 Test Ticket No. 11111
 Clock No. - Elevation 1625 Kelly Bushing Location 4015 Ft. -
 Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2100 P.S.I.	5:30P	M
B First Initial Flow Pressure	120 P.S.I.	30 Mins.	35 Mins.
C First Final Flow Pressure	105 P.S.I.	60 Mins.	57 Mins.
D Initial Closed-in Pressure	1359* P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	145 P.S.I.	120 Mins.	120 Mins.
F Second Final Flow Pressure	118 P.S.I.	*Pressures questionable due to tool movement.	
G Final Closed-in Pressure	1427 P.S.I.		
H Final Hydrostatic Mud	2035 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>40</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						63	1283
P 2						66	1300
P 3						69	1316
P 4						72	1331
P 5						75	1342
P 6						78	1352
P 7						81	1365
P 8						84	1373
P 9						87	1382
P10						90	1388
P11						93	1392
P12						96	1398
P13						99	1403
P14						102	1406
P15						105	1409
P16						108	1414
P17						111	1419
P18						114	1422
P19						117	1425
P20						120	1427