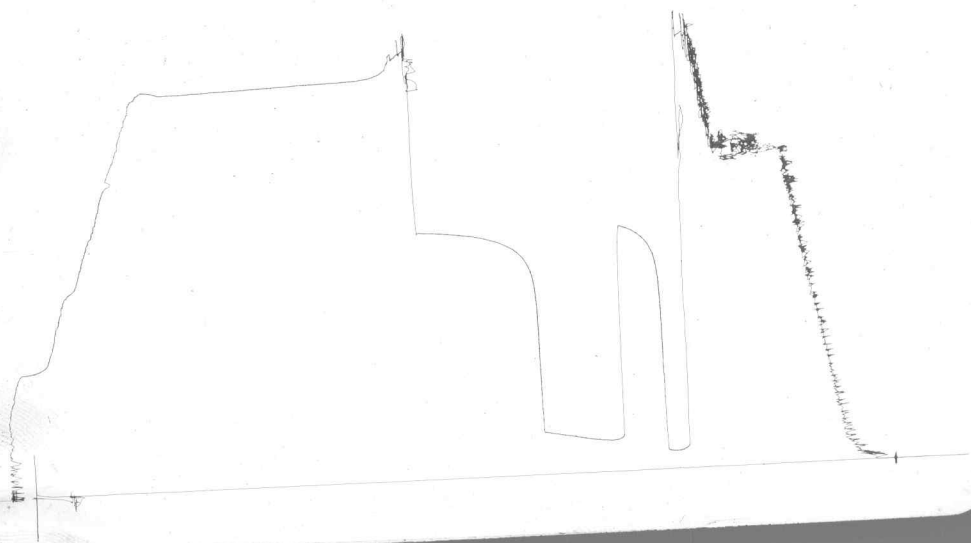


13265

TKT # 9132

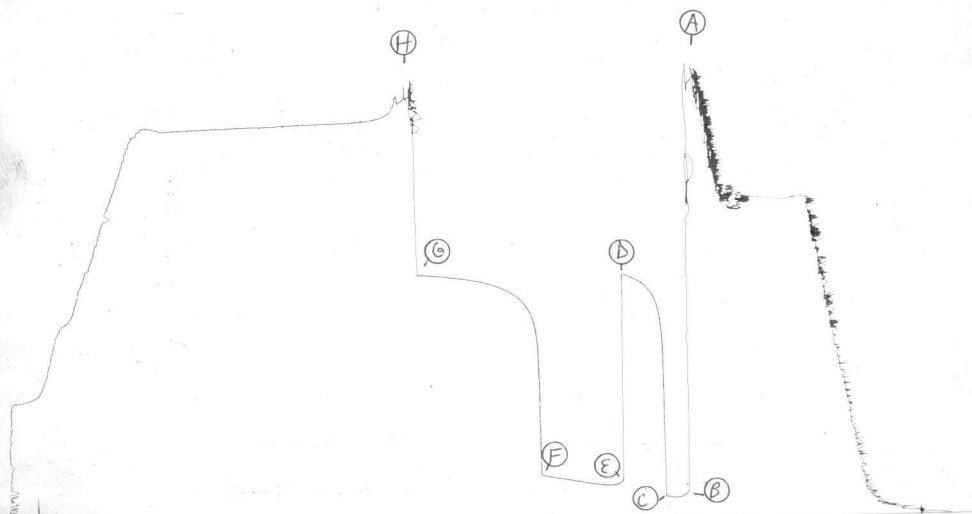
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TKT # 9732

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13266





Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rincon Operating Company Lease & Well No. Sramek #1
Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 9732
Date 6/11/81 Sec. 14 Twp. 7S Range 37W County Sherman State Kansas
Test Approved by Nate Brinkman Western Representative Roger Lisenby
Formation Test No. 1 Interval Tested from 4265 ft. to 4300 ft. Total Depth 4300 ft.
Packer Depth 4260 ft. Size 6 3/4 in. Packer Depth 4265 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4292 ft. Recorder Number 13266 Cap 4000
Bottom Recorder Depth (Outside) 4295 ft. Recorder Number 13265 Cap 3975
Below Straddle Recorder Depth -- ft. Recorder Number - Cap -
Drilling Contractor Stoeppelwerth Rig #1 Drill Collar Length 275 I. D. 2 3/4 in.
Mud Type Starch Viscosity 39 Weight Pipe Length - I. D. - in.
Weight 10.0 Water Loss 17.0 cc. Drill Pipe Length 3961 I. D. 3.8 in.
Chlorides 60,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
Jars: Make WTC Serial Number 408 Anchor Length 35 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 FH in.

Blow: Weak blow slowly increasing to 6 inches in bucket initial flow period. Good blow
slowly increased to bottom of bucket in 45 minutes on final flow period.

Recovered 410 ft. of muddy water with a few oil spots

Recovered - ft. of Chlorides 84,000 PPM

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 11:45 A.M. Time Started Off Bottom 3:00 A.M. Maximum Temperature 136
Initial Hydrostatic Pressure 2273 P.S.I.
Initial Flow Period 15 Minutes (B) 116 P.S.I. to (C) 122 P.S.I.
Initial Closed In Period 30 Minutes (D) 1293 P.S.I.
Final Flow Period 60 Minutes (E) 187 P.S.I. to (F) 243 P.S.I.
Final Closed In Period 90 Minutes (G) 1307 P.S.I.
Final Hydrostatic Pressure 2235 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/11/81 Test Ticket No. 9732
 Recorder No. 13266 Capacity 4000 Location 4292 Ft.
 Clock No. - Elevation - Well Temperature 136 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2273</u> P.S.I.		<u>11:45P</u> M	
B First Initial Flow Pressure <u>116</u> P.S.I.		<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure <u>122</u> P.S.I.		<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>1293</u> P.S.I.		<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure <u>187</u> P.S.I.		<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure <u>243</u> P.S.I.			
G Final Closed-in Pressure <u>1307</u> P.S.I.			
H Final Hydrostatic Mud <u>2235</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>116</u>	<u>0</u>	<u>122</u>	<u>0</u>	<u>187</u>	<u>0</u>	<u>243</u>
P 2 <u>5</u>	<u>116</u>	<u>3</u>	<u>1074</u>	<u>5</u>	<u>187</u>	<u>3</u>	<u>1006</u>
P 3 <u>10</u>	<u>116</u>	<u>6</u>	<u>1157</u>	<u>10</u>	<u>187</u>	<u>6</u>	<u>1088</u>
P 4 <u>15</u>	<u>122</u>	<u>9</u>	<u>1193</u>	<u>15</u>	<u>191</u>	<u>9</u>	<u>1129</u>
P 5		<u>12</u>	<u>1221</u>	<u>20</u>	<u>195</u>	<u>12</u>	<u>1155</u>
P 6		<u>15</u>	<u>1243</u>	<u>25</u>	<u>199</u>	<u>15</u>	<u>1177</u>
P 7		<u>18</u>	<u>1257</u>	<u>30</u>	<u>205</u>	<u>18</u>	<u>1193</u>
P 8		<u>21</u>	<u>1269</u>	<u>35</u>	<u>211</u>	<u>21</u>	<u>1207</u>
P 9		<u>24</u>	<u>1279</u>	<u>40</u>	<u>220</u>	<u>24</u>	<u>1219</u>
P10		<u>27</u>	<u>1287</u>	<u>45</u>	<u>226</u>	<u>27</u>	<u>1229</u>
P11		<u>30</u>	<u>1293</u>	<u>50</u>	<u>232</u>	<u>30</u>	<u>1239</u>
P12				<u>55</u>	<u>238</u>	<u>33</u>	<u>1245</u>
P13				<u>60</u>	<u>243</u>	<u>36</u>	<u>1251</u>
P14						<u>39</u>	<u>1257</u>
P15						<u>42</u>	<u>1263</u>
P16						<u>45</u>	<u>1269</u>
P17						<u>48</u>	<u>1271</u>
P18						<u>51</u>	<u>1275</u>
P19						<u>54</u>	<u>1281</u>
P20						<u>57</u>	<u>1284</u>
						<u>60</u>	<u>1286</u>

WESTERN TESTING CO., INC.

Pressure Data

9732

Date 6/11/81 Recorder No. 13266 Capacity 4000 Test Ticket No. 4292 Location 136 Ft. 136 °F
Clock No. - Elevation - Well Temperature 136 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2273 P.S.I.	11:45P	M
B First Initial Flow Pressure	116 P.S.I.	15 Mins.	15 Mins.
C First Final Flow Pressure	122 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1293 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	187 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	243 P.S.I.		
G Final Closed-in Pressure	1307 P.S.I.		
H Final Hydrostatic Mud	2235 P.S.I.		

PRESSURE BREAKDOWN

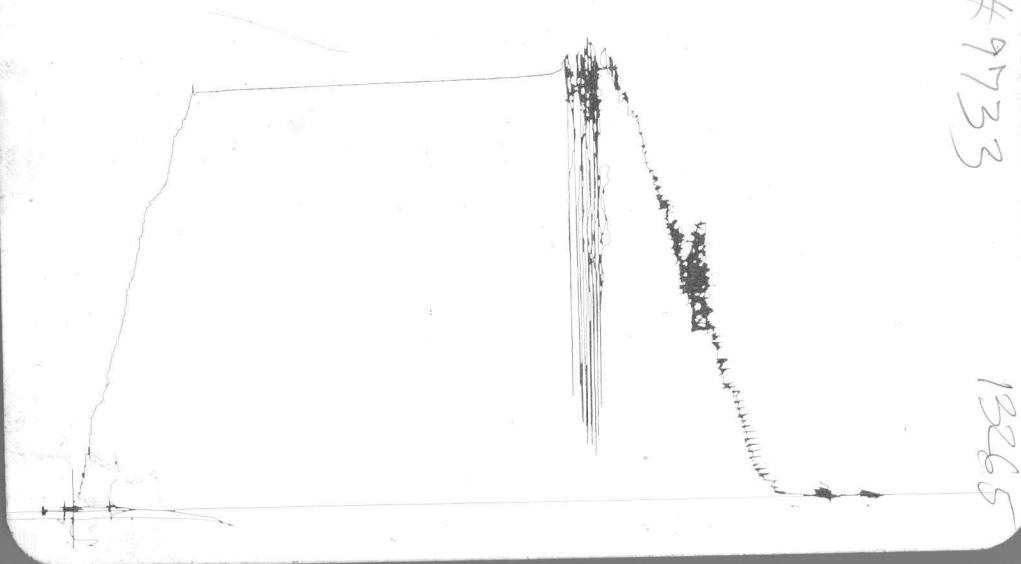
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</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	1290
P 2						66	1292
P 3						69	1295
P 4						72	1297
P 5						75	1299
P 6						78	1301
P 7						81	1303
P 8						84	1305
P 9						87	1306
P10						90	1307
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 9733

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TKT # 9733

13265

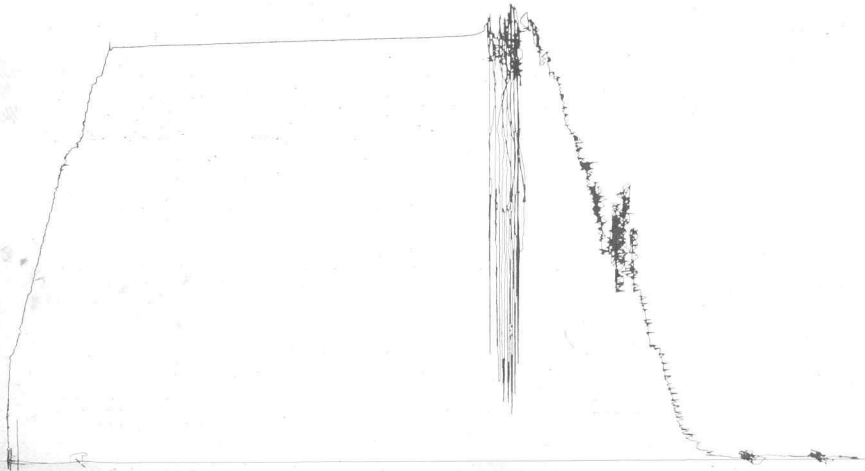


TKT # 9733

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TKT # 9733

13266





Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rincon Operating Company Lease & Well No. Sramek #1
Elevation --- Formation --- Effective Pay --- Ft. Ticket No. 9733
Date 6/12/81 Sec. 14 Twp. 7S Range 37W County Sherman State Kansas
Test Approved by Nate Brinkman Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 4330 ft. to 4350 ft. Total Depth 4350 ft.

Packer Depth 4325 ft. Size 6 3/4 in. Packer Depth 4330 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4342 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4345 ft. Recorder Number 13265 Cap. 3975

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Stoeppelwerth Drlg. Rig #1 Drill Collar Length 275 I. D. 2 3/4 in.

Mud Type starch Viscosity 45 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 18 cc. Drill Pipe Length 4026 I. D. 3.8 in.

Chlorides 68,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.

Jars: Make WTC Serial Number 408 Anchor Length 20 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out Yes 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 FH in.

Blow: Strong throughout test.

Recovered 1140 ft. of mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

MISRUN

Remarks:

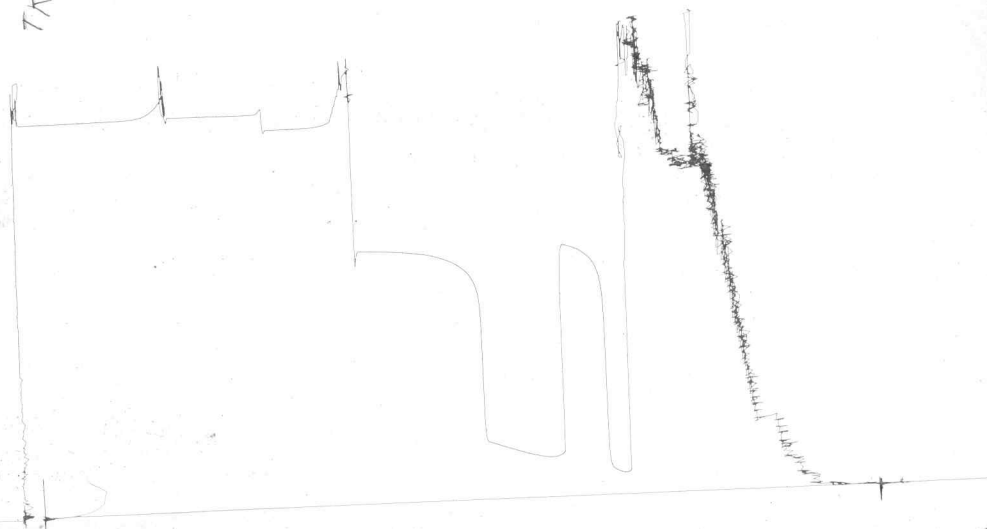
PACKER FAILURE

NO PRESSURES AVAILABLE

Time Set Packer(s) 1:15 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.

TKT # 9134
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13265
TKT # 9134



13266

TKT NO
9734

TKT # 9734
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Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rincon Operating Company Lease & Well No. Sramek #1
Elevation ---- Formation --- Effective Pay ----- Ft. Ticket No. 9734
Date 6/13/81 Sec. 14 Twp 7S Range 37W County Sherman State Kansas
Test Approved by Nate Brinkman Western Representative Roger Lisenby
Formation Test No. 3 Interval Tested from 4310 ft. to 4350 ft. Total Depth 4350 ft.
Packer Depth 4305 ft. Size 6 3/4 in. Packer Depth 4310 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4342 ft. Recorder Number 13266 Cap 4000
Bottom Recorder Depth (Outside) 4345 ft. Recorder Number 13265 Cap 3975
Below Straddle Recorder Depth - ft. Recorder Number - Cap -
Drilling Contractor Stoepelwerth Drlg. Rig #1 Drill Collar Length 275 I. D. 2 1/4 in.
Mud Type starch Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 16.2 cc. Drill Pipe Length 4006 I. D. 3.8 in.
Chlorides 68,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
Jars: Make WTC Serial Number 408 Anchor Length 40 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out Yes 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 FH in.

Blow: Initial flow period good blow increased to ten inches in bucket. Final flow period blow increased to bottom of bucket in twenty-five minutes.

Recovered 600 ft. of muddy water
Recovered ft. of Chlorides 82,000 ppm
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 8:25 A.M. Time Started Off Bottom 11:40 P.M. Maximum Temperature 136°
Initial Hydrostatic Pressure (A) 2239 P.S.I.
Initial Flow Period Minutes 15 (B) 127 P.S.I. to (C) 146 P.S.I.
Initial Closed In Period Minutes 30 (D) 1325 P.S.I.
Final Flow Period Minutes 60 (E) 223 P.S.I. to (F) 306 P.S.I.
Final Closed In Period Minutes 90 (G) 1333 P.S.I.
Final Hydrostatic Pressure (H) 2239 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/13/81 Recorder No. 13266 Capacity 4000 Test Ticket No. 9734 Location 4342 Ft.
Clock No. --- Elevation --- Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2239 P.S.I.	Open Tool	8:25P	M
B First Initial Flow Pressure	127 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	146 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1325 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	223 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	306 P.S.I.			
G Final Closed-in Pressure	1333 P.S.I.			
H Final Hydrostatic Mud	2239 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	127	0	146	0	223	0	306
P 2 5	127	3	1114	5	223	3	1078
P 3 10	132	6	1179	10	223	6	1141
P 4 15	146	9	1219	15	223	9	1181
P 5		12	1247	20	229	12	1202
P 6		15	1269	25	234	15	1221
P 7		18	1285	30	244	18	1237
P 8		21	1299	35	254	21	1251
P 9		24	1309	40	266	24	1263
P10		27	1317	45	277	27	1271
P11		30	1325	50	289	30	1280
P12				55	301	33	1287
P13				60	306	36	1293
P14						39	1298
P15						42	1302
P16						45	1306
P17						48	1308
P18						51	1310
P19						54	1312
P20						57	1314
						60	1316

WESTERN TESTING CO., INC.

Pressure Data

Date 6/13/81 Test Ticket No. 9734
 Recorder No. 13266 Capacity 4000 Location 4342 Ft.
 Clock No. --- Elevation --- Well Temperature 136 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2239</u> P.S.I.	<u>8:25P</u> M	
B First Initial Flow Pressure	<u>127</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>146</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1325</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>223</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>306</u> P.S.I.		
G Final Closed-in Pressure	<u>1333</u> P.S.I.		
H Final Hydrostatic Mud	<u>2239</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 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.

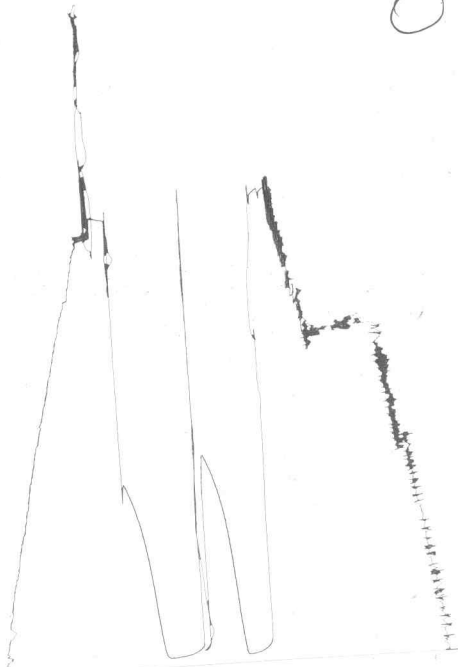
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 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				63	1318		
P 2				66	1320		
P 3				69	1322		
P 4				72	1324		
P 5				75	1326		
P 6				78	1328		
P 7				81	1330		
P 8				84	1331		
P 9				87	1332		
P10				90	1333		
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

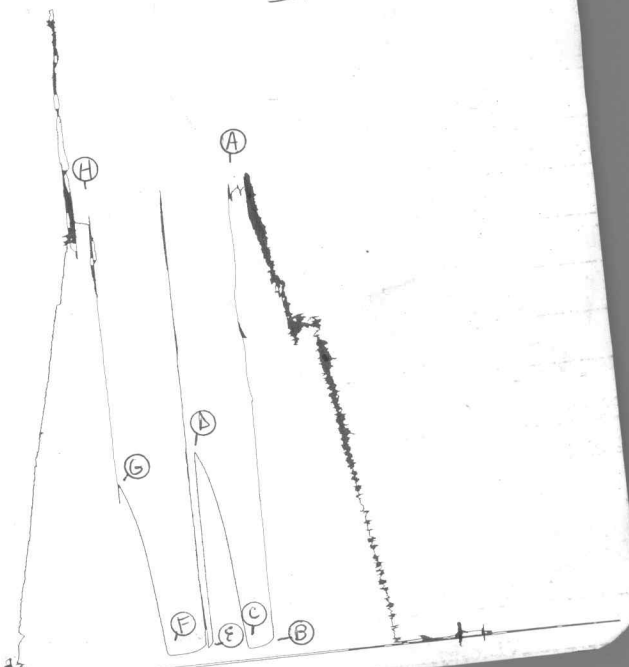
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13266





Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rincon Operating Company Lease & Well No. Sramek #1

Elevation ---- Formation ---- Effective Pay ---- Ft. Ticket No. 9735

Date 6/15/81 Sec. 14 Twp. 7S Range 37W County Sherman State Kansas

Test Approved by Nate Brinkman Western Representative Roger Lisenby

Formation Test No. 4 Interval Tested from 4615 ft. to 4645 ft. Total Depth 4645 ft.

Packer Depth 4610 ft. Size 6 3/4 in. Packer Depth 4615 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4637 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4640 ft. Recorder Number 13265 Cap. 3975

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Stoeppelwerth Drlg. Rig #1 Drill Collar Length 275 I. D. 2 1/4 in.

Mud Type starch Viscosity 45 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 18 cc. Drill Pipe Length 4310 I. D. 3.8 in.

Chlorides 64,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.

Jars: Make WIC Serial Number 408 Anchor Length 30 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 FH in.

Blow: Initial flow period weak blow throughout. (One fourth inch in bucket.) Final flow period no blow; flushed tool; no blow.

Recovered 30 ft. of mud with oil specks.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. P.M. Time Started Off Bottom: 45 A.M. P.M. Maximum Temperature 137°

Initial Hydrostatic Pressure 2408 (A) P.S.I.

Initial Flow Period 20 Minutes (B) 57 P.S.I. to (C) 57 P.S.I.

Initial Closed In Period 27 Minutes (D) 1113 P.S.I.

Final Flow Period 35 Minutes (E) 65 P.S.I. to (F) 65 P.S.I.

Final Closed In Period 27 Minutes (G) 990 P.S.I.

Final Hydrostatic Pressure 2368 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/15/81

Test Ticket No. 9735

Recorder No. 13266

Capacity 4000

Location 4637 Ft.

Clock No. - Elevation -

Well Temperature 137 °F

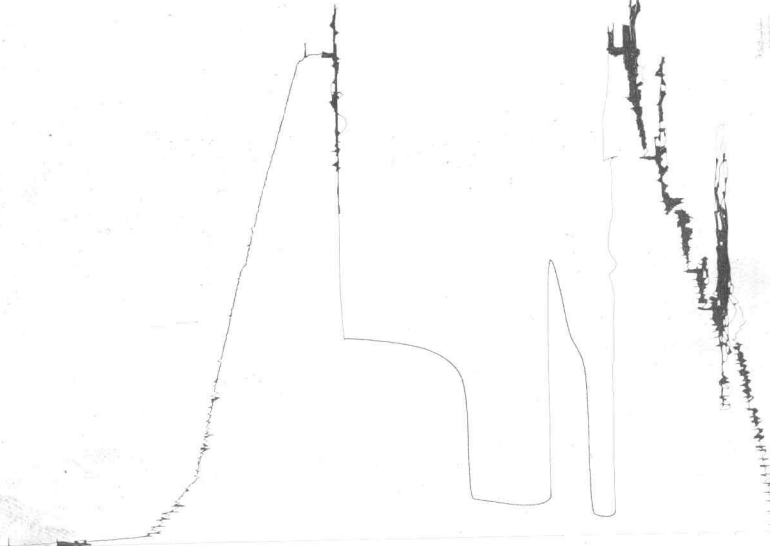
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2408</u>	P.S.I.	<u>12:00A</u>	<u>M</u>
B First Initial Flow Pressure	<u>57</u>	P.S.I.	<u>15</u>	<u>20</u> Mins.
C First Final Flow Pressure	<u>57</u>	P.S.I.	<u>30</u>	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1113</u>	P.S.I.	<u>30</u>	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>65</u>	P.S.I.	<u>30</u>	<u>27</u> Mins.
F Second Final Flow Pressure	<u>65</u>	P.S.I.		
G Final Closed-in Pressure	<u>990</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2368</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>9</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>57</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>65</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>266</u>	<u>5</u>	<u>Flushed Tool</u>	<u>3</u>	<u>224</u>
P 3 <u>10</u>	<u>57</u>	<u>6</u>	<u>471</u>	<u>10</u>	<u>65</u>	<u>6</u>	<u>372</u>
P 4 <u>15</u>	<u>57</u>	<u>9</u>	<u>624</u>	<u>15</u>	<u>65</u>	<u>9</u>	<u>535</u>
P 5 <u>20</u>	<u>57</u>	<u>12</u>	<u>752</u>	<u>20</u>	<u>65</u>	<u>12</u>	<u>650</u>
P 6		<u>15</u>	<u>862</u>	<u>25</u>	<u>65</u>	<u>15</u>	<u>750</u>
P 7		<u>18</u>	<u>946</u>	<u>30</u>	<u>65</u>	<u>18</u>	<u>818</u>
P 8		<u>21</u>	<u>1020</u>	<u>35</u>	<u>65</u>	<u>21</u>	<u>898</u>
P 9		<u>24</u>	<u>1076</u>			<u>24</u>	<u>948</u>
P10		<u>27</u>	<u>1113</u>			<u>27</u>	<u>990</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 4736

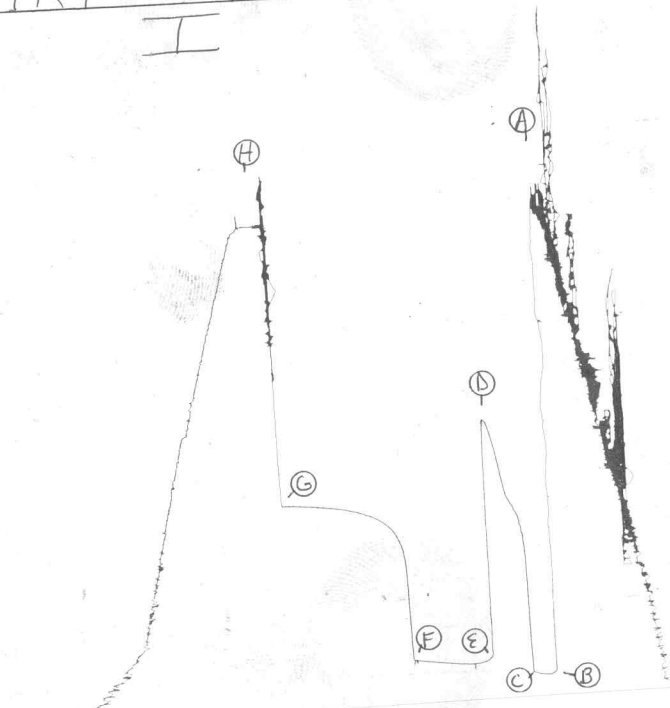
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TKT # 9736
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13266





Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rincon Operating Company Lease & Well No. Sramek #1
Elevation ---- Formation -- Effective Pay ----- Ft. Ticket No. 9736
Date 6/17/81 Sec. 14 Twp. 7S Range 37W County Sherman State Kansas
Test Approved by Nate Brinkman Western Representative Roger Lisenby
Formation Test No. 5 Interval Tested from 4805 ft. to 4830 ft. Total Depth 4830 ft.
Packer Depth 4800 ft. Size 6 3/4 in. Packer Depth 4805 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4822 ft. Recorder Number 13266 Cap. 4000
Bottom Recorder Depth (Outside) 4825 ft. Recorder Number 13265 Cap. 3975
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor SToepfelwerth Drlg. Drill Collar Length 275 I. D. 2 1/4 in.
Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 18.6 cc. Drill Pipe Length 4501 I. D. 3.8 in.
Chlorides 55,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
Jars: Make WTC Serial Number 408 Anchor Length 25 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 FH in.

Blow: Good blow slowly increased to eight inches in bucket on initial flow period. Good blow slowl
increased to bottom of bucket in twenty-seven minutes on final flow period.

Recovered	60	ft. of	25% mud; 15% water; 40% oil; 20% gas
Recovered	60	ft. of	10% mud; 5% water; 65% oil; 20% gas
Recovered	60	ft. of	5% mud; 5% water; 65% oil; 25% gas
Recovered	60	ft. of	20% mud; 5% water; 65% oil; 10% gas
Recovered	60	ft. of	5% mud; 5% wtaer; 65% oil; 25% gas
Recovered	60	ft. of	10% mud; 10% water; 70% oil; 10% gas
Recovered	60	ft. of	20% mud; 10% water; 50% oil; 20% gas
Recovered	60	ft. of	water

Plus 240 ft. gas in pipe

Chlorides 41,000 ppm

Time Set Packer(s)	<u>8:14</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>11:30</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>141°</u>
Initial Hydrostatic Pressure				<u>2566</u>		P.S.I.	
Initial Flow Period		Minutes	<u>20</u>	(B)	<u>113</u>	P.S.I. to (C)	<u>132</u> P.S.I.
Initial Closed In Period		Minutes	<u>27</u>	(D)	<u>1478 *</u>	P.S.I.	
Final Flow Period		Minutes	<u>60</u>	(E)	<u>198</u>	P.S.I. to (F)	<u>239</u> P.S.I.
Final Closed In Period		Minutes	<u>90</u>	(G)	<u>1091</u>	P.S.I.	
Final Hydrostatic Pressure				(H)	<u>2536</u>	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 6/17/81 Test Ticket No. 9736
 Recorder No. 13266 Capacity 4000 Location 4822 Ft.
 Clock No. - Elevation - Well Temperature 141 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2566 P.S.I.	8:14A	M
B First Initial Flow Pressure	113 P.S.I.	15 Mins.	20 Mins.
C First Final Flow Pressure	132 P.S.I.	30 Mins.	27 Mins.
D Initial Closed-in Pressure	1478* P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	198 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	239 P.S.I.		
G Final Closed-in Pressure	1091 P.S.I.		
H Final Hydrostatic Mud	2536 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>4</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>113</u>	<u>0</u>	<u>132</u>	<u>0</u>	<u>198</u>	<u>0</u>	<u>239</u>
P 2 <u>5</u>	<u>113</u>	<u>3</u>	<u>875*</u>	<u>5</u>	<u>198</u>	<u>3</u>	<u>818</u>
P 3 <u>10</u>	<u>119</u>	<u>6</u>	<u>978*</u>	<u>10</u>	<u>198</u>	<u>6</u>	<u>880</u>
P 4 <u>15</u>	<u>127</u>	<u>9</u>	<u>1023*</u>	<u>15</u>	<u>198</u>	<u>9</u>	<u>926</u>
P 5 <u>20</u>	<u>132</u>	<u>12</u>	<u>1060*</u>	<u>20</u>	<u>201</u>	<u>12</u>	<u>950</u>
P 6		<u>15</u>	<u>1137*</u>	<u>25</u>	<u>205</u>	<u>15</u>	<u>968</u>
P 7		<u>18</u>	<u>1267*</u>	<u>30</u>	<u>209</u>	<u>18</u>	<u>984</u>
P 8		<u>21</u>	<u>1363*</u>	<u>35</u>	<u>214</u>	<u>21</u>	<u>1000</u>
P 9		<u>24</u>	<u>1448*</u>	<u>40</u>	<u>221</u>	<u>24</u>	<u>1009</u>
P10		<u>27</u>	<u>1478*</u>	<u>45</u>	<u>225</u>	<u>27</u>	<u>1019</u>
P11				<u>50</u>	<u>230</u>	<u>30</u>	<u>1025</u>
P12				<u>55</u>	<u>235</u>	<u>33</u>	<u>1036</u>
P13				<u>60</u>	<u>239</u>	<u>36</u>	<u>1042</u>
P14						<u>39</u>	<u>1048</u>
P15						<u>42</u>	<u>1052</u>
P16						<u>45</u>	<u>1058</u>
P17						<u>48</u>	<u>1062</u>
P18						<u>51</u>	<u>1065</u>
P19						<u>54</u>	<u>1068</u>
P20						<u>57</u>	<u>1070</u>
						<u>60</u>	<u>1073</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 6/17/81 Test Ticket No. 9736
 Recorder No. 13266 Capacity 4000 Location 4822 Ft.
 Clock No. - Elevation - Well Temperature 141 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2566 P.S.I.	8:14A	M
B First Initial Flow Pressure	113 P.S.I.	15	Mins. 20 Mins.
C First Final Flow Pressure	132 P.S.I.	30	Mins. 27 Mins.
D Initial Closed-in Pressure	1478* P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	198 P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	239 P.S.I.		
G Final Closed-in Pressure	1091 P.S.I.		
H Final Hydrostatic Mud	2536 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>4</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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	1076
P 2						66	1079
P 3						69	1081
P 4						72	1083
P 5						75	1085
P 6						78	1087
P 7						81	1089
P 8						84	1090
P 9						87	1091
P10						90	1091
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							