



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 12129

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation _____ Formation K.C. Eff. Pay _____ Ft.

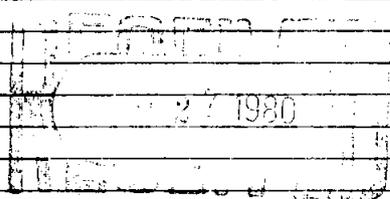
District Great Bend Date 5-20-81 Customer Order No. _____

COMPANY NAME Beren Corporation
ADDRESS 970 Fourth Financial Center, Wichita, Ks. 67202
LEASE AND WELL NO. #1 Snyder COUNTY Kiowa STATE Ks. Sec. 30 Twp. 30s Rge. 17w
Mail Invoice To Same As Above Co. Name _____ Address _____ No. Copies Requested 5
Mail Charts To _____ Address _____ No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4783 ft. to 4928 ft. Total Depth 4928 ft.
Packer Depth 4778 ft. Size 6 5/8 in. Packer Depth 4783 ft. Size 6 5/8 in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4918 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 4921 ft. Recorder Number 1049 Cap. 4250
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Bereda Dalg Rig 2 Drill Collar Length 340 I. D. 2.7 in.
Mud Type Driscop Viscosity 55 Weight Pipe Length _____ I. D. _____ in.
Weight 8.9 Water Loss 9.6 cc. Drill Pipe Length 4419 I. D. 3.8 in.
Chlorides 14,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 3/4 in.
Jars: Make _____ Serial Number _____ Anchor Length 145 ft. Size 5 3/4 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 x 4 in.

Blow: _____
Recovered _____ ft. of
Remarks: _____

No Packer Seat



Time On Location 4:00 P.M. Time Pick Up Tool 5:30 P.M. Time Off Location _____ A.M. P.M.
Time Set Packer(s) 7:45 P.M. Time Started Off Bottom 8:00 P.M. Maximum Temperature _____
Initial Hydrostatic Pressure _____ (A) X 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) X P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative Chris Wonda Thank you

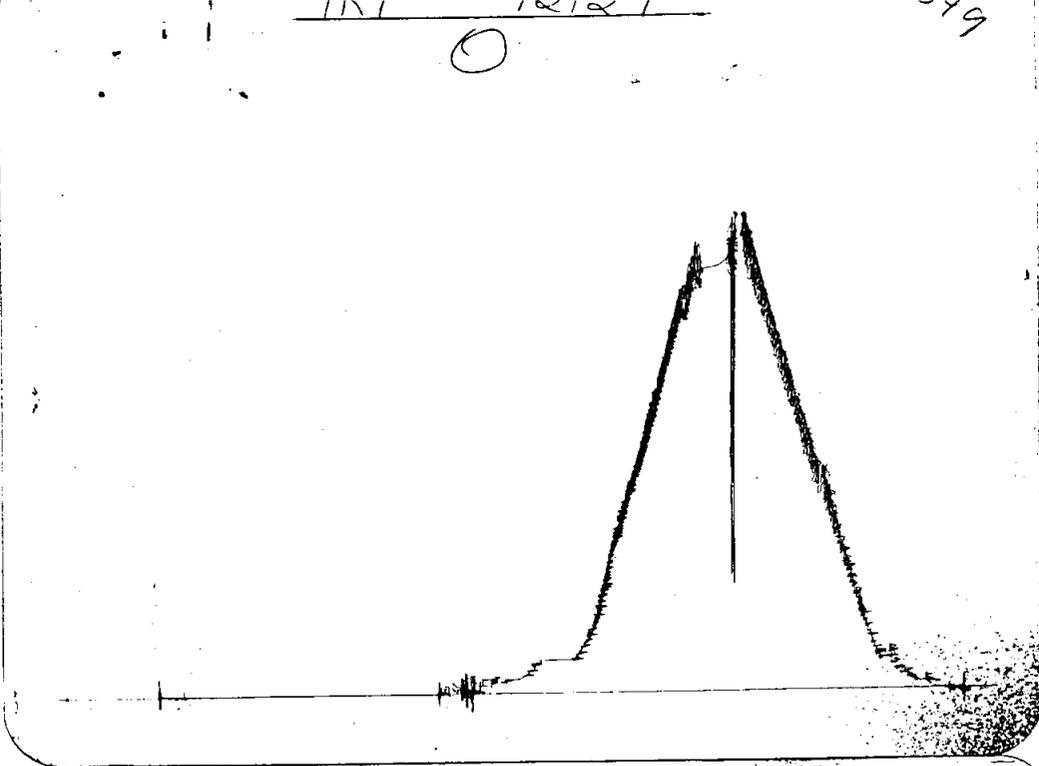
FIELD INVOICE

Open Hole Test \$ _____
Misrun \$ 400.00 ✓
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ 65.00 ✓
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
96 Mileage \$ 72.00 ✓
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
TOTAL \$ 527.00

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49

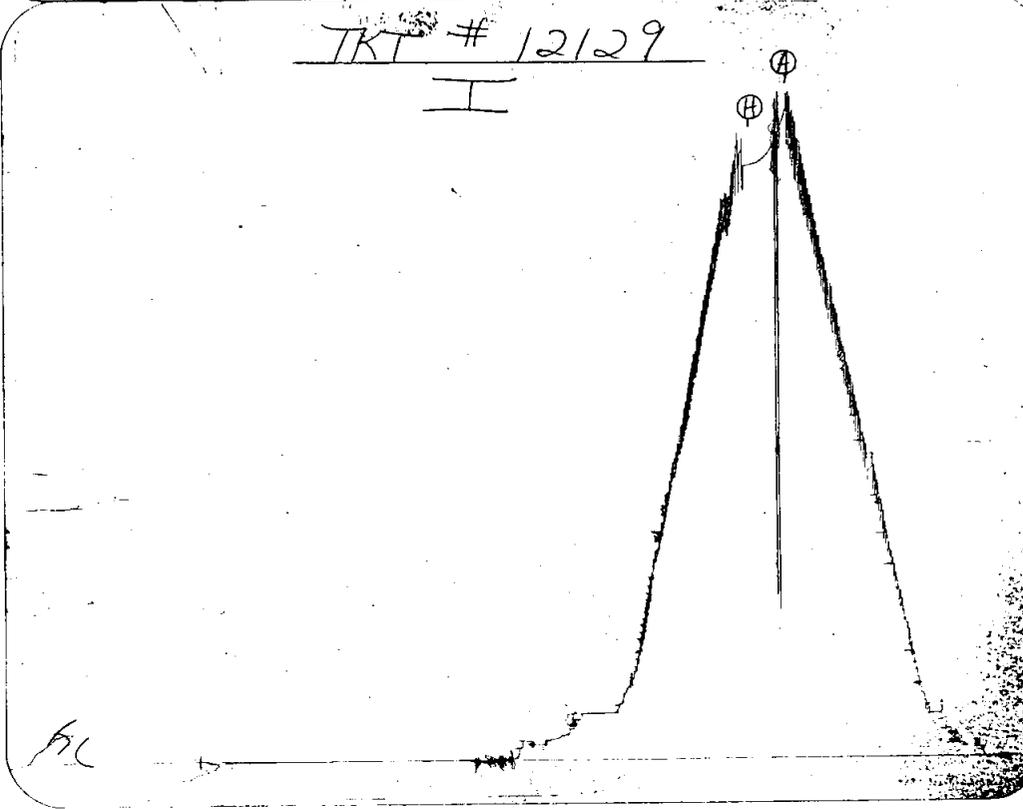
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 12130

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation K.C. Eff. Pay _____ Ft.

District Great Bend Date 5-21-81 Customer Order No. _____

COMPANY NAME Beren Corporation

ADDRESS 970 Fourth Financial Center, Wichita, Ks. 67202

LEASE AND WELL NO. #1 Snyder COUNTY Kiowa STATE Ks. Sec. 30 Twp. 30s Rge. 17w

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To _____ Address _____

Formation Test No. 2 Interval Tested from 4793 ft. to 4928 ft. Total Depth 4928 ft.

Packer Depth 4788 ft. Size 6 5/8 in. Packer Depth 4793 ft. Size 6 5/8 in.

Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4818 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 4821 ft. Recorder Number 1049 Cap. 4000

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

Drilling Contractor Benedico Dr. Rig 2 Drill Collar Length 340 I. D. 2.7 in.

Mud Type Driscopac Viscosity 55 Weight Pipe Length _____ I. D. _____ in.

Weight 8.9 Water Loss 9.6 cc. Drill Pipe Length 4429 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 24 ft. Tool Size 5200 in.

Jars: Make _____ Serial Number _____ Anchor Length 135 ft. Size 5200 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 3/8 in. Tool Joint Size 4 3/4 in.

Blow: _____
Recovered _____ ft. of
Remarks: _____

NO Packer Seat

Time On Location _____ A.M. _____ P.M. Time Pick Up Tool _____ A.M. _____ P.M. Time Off Location _____ A.M. _____ P.M.
Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure _____ (A) X _____ 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) X _____ P.S.I.

COMPANY TERMS

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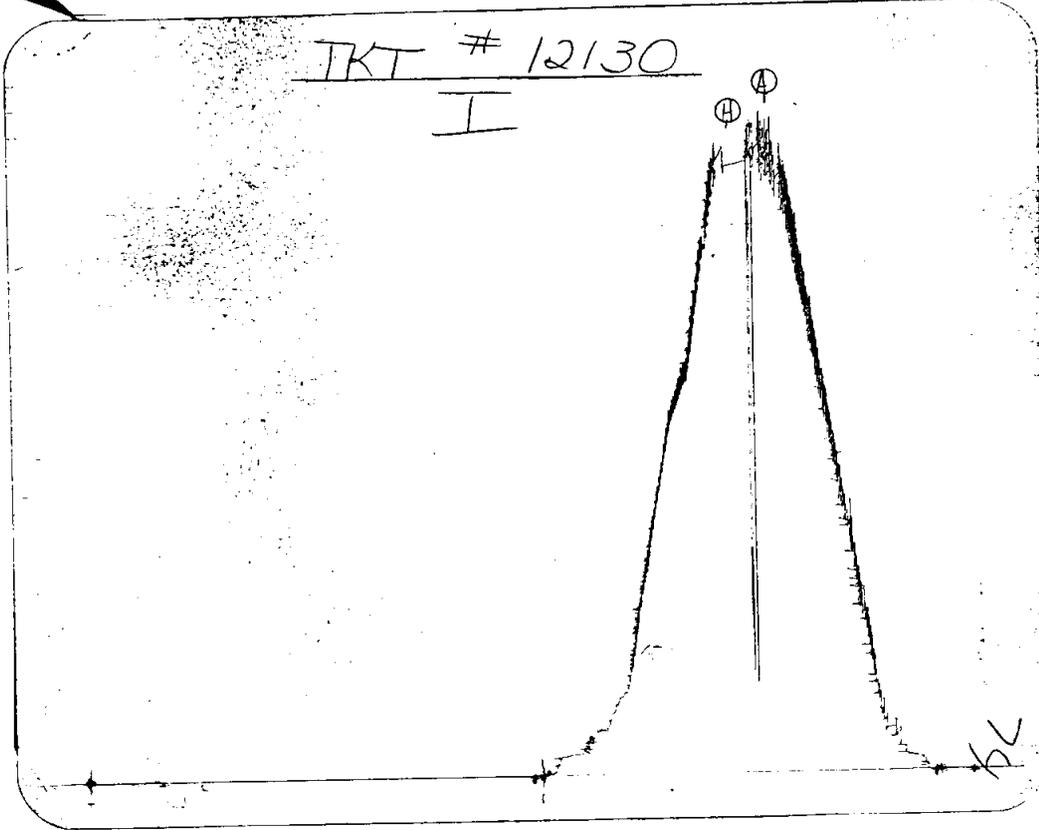
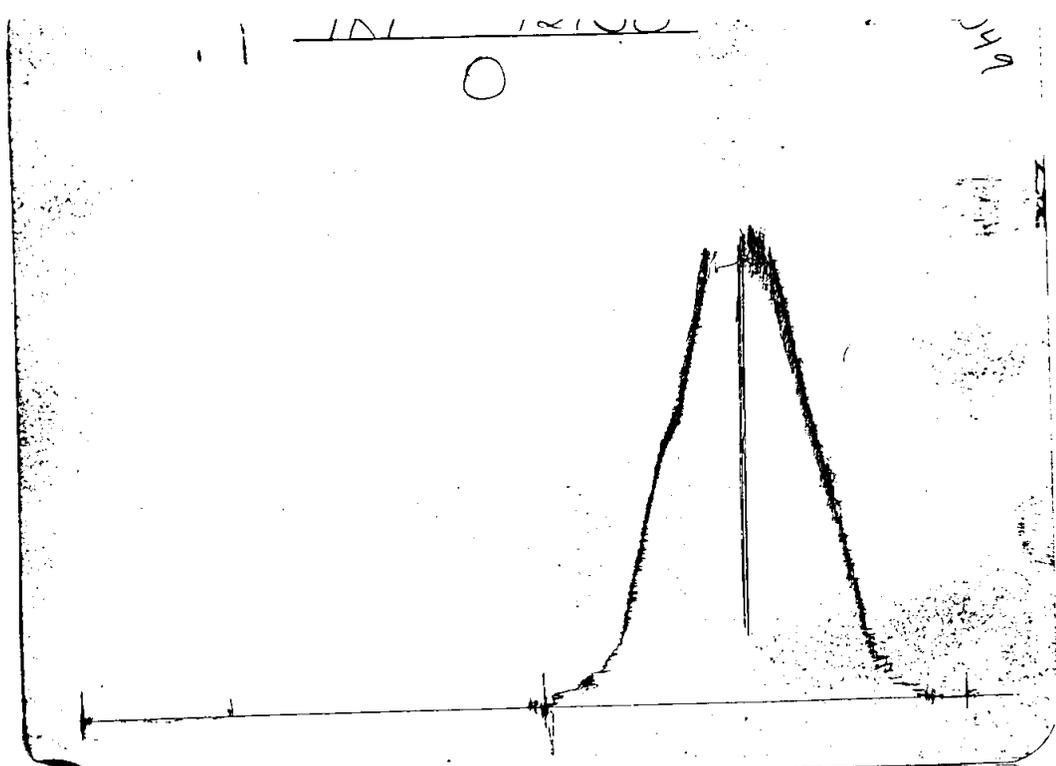
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jerry L. McLeod
Signature of Customer of his authorized representative

Western Representative Donis Wanda Thanks you

FIELD INVOICE

Open Hole Test \$ _____
Misrun \$ 400.00
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
TOTAL \$ 400.00



Company Beren Corporation Lease & Well No. #1 Snyder

Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 12130

Date 5/21/81 Sec 30 Twp 30S Range 17W County Kiowa State Kansas

Test Approved by Terry L McLeod Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 4793 ft. to 4928 ft. Total Depth 4928 ft.

Packer Depth 4788 ft. Size 6 5/8 in. Packer Depth 4793 ft. Size 6 5/8 in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4918 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 4921 ft. Recorder Number 1049 Cap. 4000

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

Drilling Contractor Beredco Drilling Rig #2 Drill Collar Length 340 I. D. 2.7 in.

Mud Type Drispac Viscosity 55 Weight Pipe Length - I. D. - in.

Weight 8.9 Water Loss 9.6 cc. Drill Pipe Length 4429 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 135 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: _____

Recovered _____ ft. of _____

Remarks: NO PACKER SEAT MISRUN

Time Set Packer(s) - A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature -

Initial Hydrostatic Pressure (A) 2460 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) 2460 P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 12131

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation Formation MISS. Eff. Pay Ft.

District Great Bend Date 5-22-81 Customer Order No.

COMPANY NAME Beren Corporation
ADDRESS 970 Fourth Financial Center, Wichita, Ks. 67202
LEASE AND WELL NO. #1 Snyder COUNTY Kiowa STATE Ks. Sec 30 Twp 30S Rge 17W
Mail Invoice To Same As Above No. Copies Requested 5
Co. Name Address No. Copies Requested 5

Formation Test No. 3 Interval Tested from 5073 ft. to 5083 ft. Total Depth 5083 ft.
Packer Depth 5068 ft. Size 6 5/8 in. Packer Depth 5073 ft. Size 6 5/8 in.
Packer Depth ft. Size in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 5074 ft. Recorder Number 3474 Cap. 2000
Bottom Recorder Depth (Outside) 5077 ft. Recorder Number 1049 Cap. 4250
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Beredico D.I.G. Rig 2 Drill Collar Length 340 I. D. 2.7 in.
Mud Type Drispac Viscosity 67 Weight Pipe Length I. D. in.
Weight 8.8 Water Loss 8.0 cc. Drill Pipe Length 4709 I. D. 3.8 in.
Chlorides 15,000 P.P.M. Test Tool Length 24 ft. Tool Size 5200 in.
Jars: Make Serial Number Anchor Length 10 ft. Size 5200 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 x 4 in.

Blow: Fair. Increased To Very Good In 30 min. On First F.P.
Very Good Throughout 2nd Opening.

Recovered 120 ft. of Gas In Pipe
Recovered 20 ft. of Gas Cut Mud
Recovered 360 ft. of Sli Oil + Gas Cut Mud 4% oil 96% mud
Recovered 120 ft. of Dry Oil Cut Mud 40% oil 56% mud
Recovered ft. of 4% water
Remarks: SOME FREE OIL ON TOP OF TOOL

LOST Packer Seat. Then Reset.

Time On Location 2:30 A.M. Time Pick Up Tool 3:30 P.M. Time Off Location 4:00 A.M.
Time Set Packer(s) 6:28 A.M. Time Started Off Bottom 12:30 P.M. Maximum Temperature 123
Initial Hydrostatic Pressure (A) 2555 P.S.I.
Initial Flow Period Minutes 60 (B) 253 P.S.I. to (C) 253 P.S.I.
Initial Closed In Period Minutes 60 (D) 1091 P.S.I.
Final Flow Period Minutes 120 (E) 261 P.S.I. to (F) 261 P.S.I.
Final Closed In Period Minutes 120 (G) Clock Stopped
Final Hydrostatic Pressure (H) 2555 P.S.I.

COMPANY TERMS

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Test Approved By Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative Denis Wondra Thanks You

FIELD INVOICE

Open Hole Test \$ 775.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$ 65.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 840.00

WESTERN TESTING CO., INC.

Pressure Data

Date 5-22 Recorder No. 3474 Capacity 3000 Test Ticket No. 12131 Location 5074 Ft.
 Clock No. _____ Elevation _____ Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2555</u> P.S.I.	Open Tool	<u>6:28 A.M.</u>	
B First Initial Flow Pressure	<u>270</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>250</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>1078</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>270</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>264</u> P.S.I.			
G Final Closed-in Pressure	<u>Clock Stopped</u> P.S.I.			
H Final Hydrostatic Mud	<u>2555</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>6</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>270</u>	<u>0</u> <u>250</u>	<u>0</u> <u>270</u>	<u>0</u> <u>264</u>			
P 2	<u>5</u> <u>270</u>	<u>3</u> <u>256</u>	<u>5</u> <u>257</u>	<u>3</u> <u>320</u>			
P 3	<u>10</u> <u>271</u>	<u>6</u> <u>318</u>	<u>10</u> <u>253</u>	<u>6</u> <u>364</u>			
P 4	<u>15</u> <u>269</u>	<u>9</u> <u>390</u>	<u>15</u> <u>252</u>	<u>9</u> <u>409</u>			
P 5	<u>20</u> <u>266</u>	<u>12</u> <u>452</u>	<u>20</u> <u>250</u>	<u>12</u> <u>442</u>			
P 6	<u>25</u> <u>262</u>	<u>15</u> <u>509</u>	<u>25</u> <u>248</u>	<u>15</u> <u>483</u>			
P 7	<u>30</u> <u>258</u>	<u>18</u> <u>567</u>	<u>30</u> <u>247</u>	<u>18</u> <u>500</u>			
P 8	<u>35</u> <u>253</u>	<u>21</u> <u>622</u>	<u>35</u> <u>250</u>	<u>21</u> <u>Clock Stopped</u>			
P 9	<u>40</u> <u>252</u>	<u>24</u> <u>680</u>	<u>40</u> <u>253</u>	<u>24</u> _____			
P10	<u>45</u> <u>250</u>	<u>27</u> <u>721</u>	<u>45</u> <u>255</u>	<u>27</u> _____			
P11	<u>50</u> _____	<u>30</u> <u>758</u>	<u>50</u> <u>256</u>	<u>30</u> _____			
P12	<u>55</u> _____	<u>33</u> <u>800</u>	<u>55</u> <u>257</u>	<u>33</u> _____			
P13	<u>60</u> <u>250</u>	<u>36</u> <u>836</u>	<u>60</u> <u>258</u>	<u>36</u> _____			
P14	_____	<u>39</u> <u>869</u>	<u>65</u> _____	<u>39</u> _____			
P15	_____	<u>42</u> <u>905</u>	<u>70</u> _____	<u>42</u> _____			
P16	_____	<u>45</u> <u>932</u>	<u>75</u> <u>258</u>	<u>45</u> _____			
P17	_____	<u>48</u> <u>961</u>	<u>80</u> <u>259</u>	<u>48</u> _____			
P18	_____	<u>51</u> <u>982</u>	<u>85</u> <u>259</u>	<u>51</u> _____			
P19	_____	<u>54</u> <u>1003</u>	<u>90</u> <u>259</u>	<u>54</u> _____			
P20	_____	<u>57</u> <u>1024</u>	<u>95</u> <u>260</u>	<u>57</u> _____			
		<u>60</u> <u>1042</u>	<u>100</u> <u>261</u>	<u>60</u> _____			
		<u>63</u> <u>1063</u>					
		<u>66</u> <u>1079</u>					

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 12131
 Recorder No. _____ Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.		Open Tool	_____ M	
B First Initial Flow Pressure _____ P.S.I.		First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____ P.S.I.		Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____ P.S.I.		Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure _____ P.S.I.		Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure _____ P.S.I.				
G Final Closed-in Pressure _____ P.S.I.				
H Final Hydrostatic Mud _____ P.S.I.				

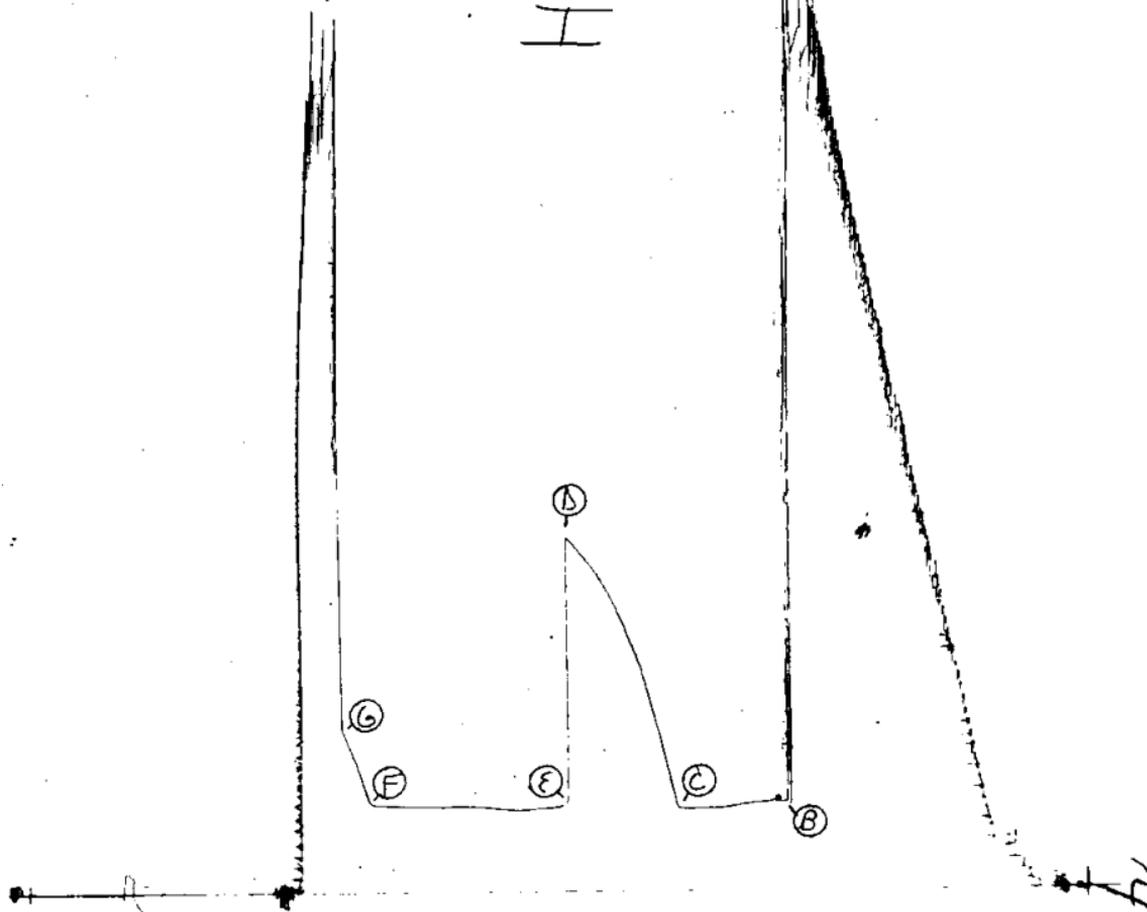
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ 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>63</u>	_____	<u>105</u>	<u>262</u>	<u>63</u>	_____
P 2	_____	<u>66</u>	_____	<u>110</u>	<u>263</u>	<u>66</u>	_____
P 3	_____	<u>69</u>	_____	<u>115</u>	<u>264</u>	<u>69</u>	_____
P 4	_____	<u>72</u>	_____	120	_____	<u>72</u>	_____
P 5	_____	<u>75</u>	_____	_____	_____	<u>75</u>	_____
P 6	_____	<u>78</u>	_____	_____	_____	<u>78</u>	_____
P 7	_____	<u>81</u>	_____	_____	_____	<u>81</u>	_____
P 8	_____	<u>84</u>	_____	_____	_____	<u>84</u>	_____
P 9	_____	<u>87</u>	_____	_____	_____	<u>87</u>	_____
P10	_____	<u>90</u>	_____	_____	_____	<u>90</u>	_____
P11	_____	<u>93</u>	_____	_____	_____	<u>93</u>	_____
P12	_____	<u>96</u>	_____	_____	_____	<u>96</u>	_____
P13	_____	<u>99</u>	_____	_____	_____	<u>99</u>	_____
P14	_____	<u>102</u>	_____	_____	_____	<u>102</u>	_____
P15	_____	<u>105</u>	_____	_____	_____	<u>105</u>	_____
P16	_____	<u>108</u>	_____	_____	_____	<u>108</u>	_____
P17	_____	<u>111</u>	_____	_____	_____	<u>111</u>	_____
P18	_____	<u>114</u>	_____	_____	_____	<u>114</u>	_____
P19	_____	<u>117</u>	_____	_____	_____	<u>117</u>	_____
P20	_____	<u>120</u>	_____	_____	_____	<u>120</u>	_____

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TKT # 12131
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Company Beren Corporation Lease & Well No. #1 Snyder
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 12131
 Date 5/22/81 Sec. 30 Twp. 30S Range 17W County Kiowa State Kansas
 Test Approved by Terry L McLeod Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 5073 ft. to 5083 ft. Total Depth 5083 ft.
 Packer Depth 5068 ft. Size 6 5/8 in. Packer Depth 5073 ft. Size 6 5/8 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5074 ft. Recorder Number 3474 Cap 3000
 Bottom Recorder Depth (Outside) 5077 ft. Recorder Number 1049 Cap 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Beredco Drilling Rig #2 Drill Collar Length 340 I. D. 2.7 in.
 Mud Type Drispac Viscosity 67 Weight Pipe Length - I. D. - in.
 Weight 8.8 Water Loss 8.0 cc. Drill Pipe Length 4709 I. D. 3.8 in.
 Chlorides 15,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 10 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-increased to very good in 30 minutes on initial flow period. Very good throughout final flow period.

Recovered 120 ft. of gas in pipe
 Recovered 20 ft. of gas cut mud
 Recovered 360 ft. of slightly oil & gas cut mud - 4% oil; 96% mud
 Recovered 120 ft. of heavy oil cut mud - 40% oil; 56% mud; 4% water
 Recovered - ft. of -

Remarks: some free oil on top of tool. Lost packer seat- then reset.

Time Set Packer(s) 6:28 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 123
 Initial Hydrostatic Pressure (A) 2555 P.S.I.
 Initial Flow Period Minutes 60 (B) 270 P.S.I. to (C) 250 P.S.I.
 Initial Closed In Period Minutes 66 (D) 1078 P.S.I.
 Final Flow Period Minutes 116 (E) 270 P.S.I. to (F) 264 P.S.I.
 Final Closed In Period Minutes 18 (G) Clock Stopped
 Final Hydrostatic Pressure (H) 2555 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/22/81 Test Ticket No. 12131
 Recorder No. 3474 Capacity 3000 Location 5074 Ft.
 Clock No. - Elevation - Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2555</u> P.S.I.	Open Tool	<u>6:28A</u> M	
B First Initial Flow Pressure	<u>270</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>250</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>1078</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>270</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>264</u> P.S.I.			
G Final Closed-in Pressure	<u>Clock Stopped</u> P.S.I.			
H Final Hydrostatic Mud	<u>2555</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>6</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>0</u>	<u>270</u>	<u>0</u>	<u>270</u>	<u>0</u>	<u>264</u>
P 2	<u>5</u>	<u>3</u>	<u>270</u>	<u>5</u>	<u>257</u>	<u>3</u>	<u>320</u>
P 3	<u>10</u>	<u>6</u>	<u>271</u>	<u>10</u>	<u>253</u>	<u>6</u>	<u>364</u>
P 4	<u>15</u>	<u>9</u>	<u>269</u>	<u>15</u>	<u>252</u>	<u>9</u>	<u>409</u>
P 5	<u>20</u>	<u>12</u>	<u>266</u>	<u>20</u>	<u>250</u>	<u>12</u>	<u>442</u>
P 6	<u>25</u>	<u>15</u>	<u>262</u>	<u>25</u>	<u>248</u>	<u>15</u>	<u>483</u>
P 7	<u>30</u>	<u>18</u>	<u>258</u>	<u>30</u>	<u>247</u>	<u>18</u>	<u>500</u>
P 8	<u>35</u>	<u>21</u>	<u>253</u>	<u>35</u>	<u>250</u>		
P 9	<u>40</u>	<u>24</u>	<u>252</u>	<u>40</u>	<u>253</u>		
P10	<u>45</u>	<u>27</u>	<u>250</u>	<u>45</u>	<u>255</u>		
P11	<u>50</u>	<u>30</u>	<u>250</u>	<u>50</u>	<u>256</u>		
P12	<u>55</u>	<u>33</u>	<u>250</u>	<u>55</u>	<u>257</u>		
P13	<u>60</u>	<u>36</u>	<u>250</u>	<u>60</u>	<u>258</u>		
P14		<u>39</u>		<u>65</u>	<u>258</u>		
P15		<u>42</u>		<u>70</u>	<u>258</u>		
P16		<u>45</u>		<u>75</u>	<u>258</u>		
P17		<u>48</u>		<u>80</u>	<u>259</u>		
P18		<u>51</u>		<u>85</u>	<u>259</u>		
P19		<u>54</u>		<u>90</u>	<u>259</u>		
P20		<u>57</u>		<u>95</u>	<u>260</u>		
WTC - 4		<u>60</u>		<u>100</u>	<u>261</u>		
		<u>63</u>		<u>105</u>	<u>262</u>		
		<u>66</u>		<u>110</u>	<u>263</u>		



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 12132

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation MISS. Eff. Pay _____ Ft.

District Great Bend Date 5-23-81 Customer Order No. _____

COMPANY NAME Beren Corporation

ADDRESS 970 Fourth Financial Center, Wichita, Ks. 67202

LEASE AND WELL NO. #1 Snyder COUNTY kiowa STATE KS. Sec. 30 Twp. 30 Rge. 17w

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 4 Interval Tested from 5083 ft. to 5093 ft. Total Depth 5093 ft.

Packer Depth 5078 ft. Size 6 5/8 in. Packer Depth 5083 ft. Size 6 5/8 in.

Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5085 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 5088 ft. Recorder Number 1049 Cap. 4250

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

Drilling Contractor Beredco Drlg. Rig 2 Drill Collar Length 340 I. D. 2.7 in.

Mud Type Drispac Viscosity 60 Weight Pipe Length _____ I. D. _____ in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 4719 I. D. 3.8 in.

Chlorides 15,000 P.P.M. Test Tool Length 24 ft. Tool Size 5200 in.

Jars: Make _____ Serial Number _____ Anchor Length 10 ft. Size 5200 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 3/8 in. Tool Joint Size 4 1/2 x H in.

Blow: Very Weak. Died In 40 min. On First F.P.

No Blow On 2nd Opening.

Recovered 80 ft. of Very Sl. Oil Cut Mud

Recovered _____ ft. of _____

Remarks: _____

Time On Location 11:30 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location 3:00 P.M.

Time Set Packer(s) 7:58 A.M. Time Started Off Bottom 11:30 A.M. Maximum Temperature 123

Initial Hydrostatic Pressure _____ (A) 2716 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 30 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 666 P.S.I.

Final Flow Period _____ Minutes 45 (E) 53 P.S.I. to (F) 53 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 276 P.S.I.

Final Hydrostatic Pressure _____ (H) 2709 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative Don Worda Thank you

FIELD INVOICE

Open Hole Test	\$ <u>775.00</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ <u>65.00</u>
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ _____
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
TOTAL	\$ <u>840.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-23

Test Ticket No. 12132

Recorder No. 3474

Capacity 3000

Location 5085 Ft.

Clock No. _____ Elevation _____

Well Temperature 123 °F

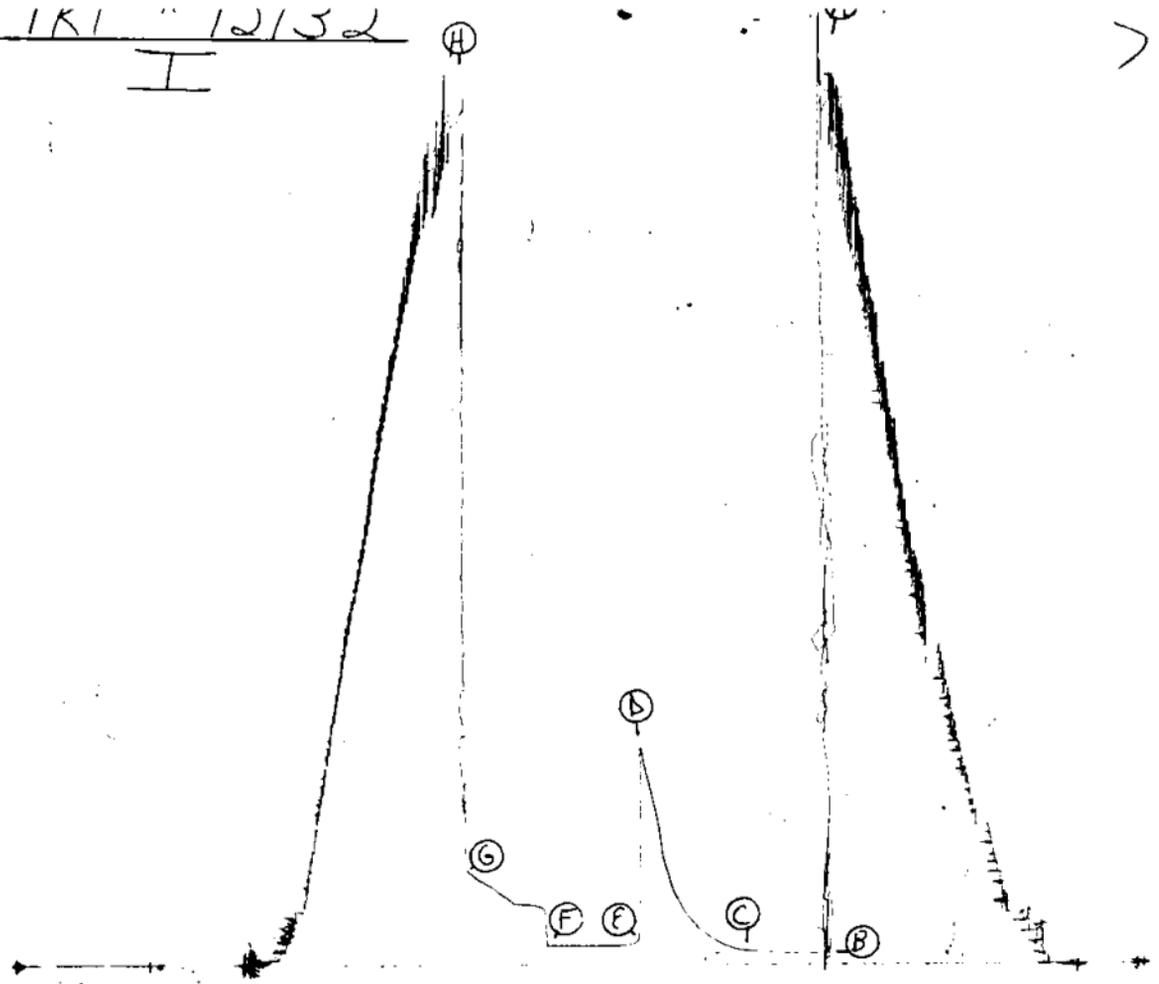
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2593</u> P.S.I.	<u>7:58 A</u> M	
B First Initial Flow Pressure	<u>37</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>656</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	<u>60</u> Mins.	<u>54</u> Mins.
F Second Final Flow Pressure	<u>55</u> P.S.I.		
G Final Closed-in Pressure	<u>280</u> P.S.I.		
H Final Hydrostatic Mud	<u>2561</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>18</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>0</u>	<u>41</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>55</u>
P 2	<u>5</u>	<u>3</u>	<u>43</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>55</u>
P 3	<u>10</u>	<u>6</u>	<u>47</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>55</u>
P 4	<u>15</u>	<u>9</u>	<u>53</u>	<u>15</u>	<u>55</u>	<u>9</u>	<u>161</u>
P 5	<u>20</u>	<u>12</u>	<u>58</u>	<u>20</u>	<u>5</u>	<u>12</u>	<u>174</u>
P 6	<u>25</u>	<u>15</u>	<u>67</u>	<u>25</u>	<u>5</u>	<u>15</u>	<u>178</u>
P 7	<u>30</u>	<u>18</u>	<u>76</u>	<u>30</u>	<u>55</u>	<u>18</u>	<u>181</u>
P 8	<u>35</u>	<u>21</u>	<u>86</u>	<u>35</u>	<u>5</u>	<u>21</u>	<u>5</u>
P 9	<u>40</u>	<u>24</u>	<u>96</u>	<u>40</u>	<u>5</u>	<u>24</u>	<u>5</u>
P10	<u>45</u>	<u>27</u>	<u>110</u>	<u>45</u>	<u>55</u>	<u>27</u>	<u>181</u>
P11	<u>50</u>	<u>30</u>	<u>126</u>	<u>50</u>		<u>30</u>	<u>197</u>
P12	<u>55</u>	<u>33</u>	<u>146</u>	<u>55</u>		<u>33</u>	<u>208</u>
P13	<u>60</u>	<u>36</u>	<u>168</u>	<u>60</u>		<u>36</u>	<u>218</u>
P14		<u>39</u>	<u>197</u>	<u>65</u>		<u>39</u>	<u>231</u>
P15		<u>42</u>	<u>234</u>	<u>70</u>		<u>42</u>	<u>240</u>
P16		<u>45</u>	<u>286</u>	<u>75</u>		<u>45</u>	<u>250</u>
P17		<u>48</u>	<u>355</u>	<u>80</u>		<u>48</u>	<u>258</u>
P18		<u>51</u>	<u>455</u>	<u>85</u>		<u>51</u>	<u>271</u>
P19		<u>54</u>	<u>520</u>	<u>90</u>		<u>54</u>	<u>280</u>
P20		<u>57</u>	<u>583</u>				
		<u>60</u>	<u>656</u>				

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Company Beren Corporation Lease & Well No. #1 Snyder

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 12132

Date 5/23/81 Sec 30 Twp 30S Range 17W County Kiowa State Kansas

Test Approved by Terry L McLeod Western Representative Denis Wondra

Formation Test No. 4 Interval Tested from 5083 ft. to 5093 ft. Total Depth 5093 ft.

Packer Depth 5078 ft. Size 6 5/8 in. Packer Depth 5083 ft. Size 6 5/8 in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5085 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 5088 ft. Recorder Number 1049 Cap. 4250

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

Drilling Contractor Beredco Drilling Rig #2 Drill Collar Length 340 I. D. 2.7 in.

Mud Type Drispac Viscosity 60 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 4719 I. D. 3.8 in.

Chlorides 15,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 10 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: Very weak. Died in 40 minutes on initial flow period. No blow on final flow period.

Recovered 80 ft. of very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:58 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 11:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 123

Initial Hydrostatic Pressure (A) 2593 P.S.I.

Initial Flow Period Minutes 45 (B) 37 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period Minutes 60 (D) 656 P.S.I.

Final Flow Period Minutes 45 (E) 73 P.S.I. to (F) 55 P.S.I.

Final Closed In Period Minutes 54 (G) 280 P.S.I.

Final Hydrostatic Pressure (H) 2561 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/23/81 Recorder No. 3474 Capacity 3000 Test Ticket No. 12132
 Location 5085 Ft. 123
 Clock No. - Elevation - Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2593	P.S.I.	7:58A	M
B First Initial Flow Pressure	37	P.S.I.	45	Mins. 45 Mins.
C First Final Flow Pressure	41	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	656	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	73	P.S.I.	60	Mins. 54 Mins.
F Second Final Flow Pressure	55	P.S.I.		
G Final Closed-in Pressure	280	P.S.I.		
H Final Hydrostatic Mud	2561	P.S.I.		

PRESSURE BREAKDOWN

Point	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	0	37	0	41	0	73	0	55
P 2	5	32	3	43	5	60	3	55
P 3	10	32	6	47	10	56	6	55
P 4	15	33	9	53	15	55	9	161
P 5	20	34	12	58	20	55	12	174
P 6	25	35	15	67	25	55	15	178
P 7	30	36	18	76	30	55	18	181
P 8	35	38	21	86	35	55	21	181
P 9	40	40	24	96	40	55	24	181
P10	45	41	27	110	45	55	27	181
P11			30	126			30	197
P12			33	146			33	208
P13			36	168			36	218
P14			39	197			39	231
P15			42	234			42	240
P16			45	286			45	250
P17			48	355			48	258
P18			51	455			51	271
P19			54	520			54	280
P20			57	583				
WTC - 4			60	656				