

Company Leben Corporation Lease & Well No. #1 White
Elevation 1373 Ground Level Formation Swope Effective Pay -- Ft. Ticket No. 16338
Date 8/2/82 Sec. 13 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by Kenneth D. Spear Western Representative Mike Rogers
Formation Test No. 1 Interval Tested from 3348 ft. to 3359 ft. Total Depth 3359 ft.
Packer Depth 3343 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3348 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3351 ft. Recorder Number 1566 Cap. 4300
Bottom Recorder Depth (Outside) 3355 ft. Recorder Number 3086 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Leben Drlg. Rig #7 Drill Collar Length 214 I. D. 2.2 in.
Mud Type chemical Viscosity 47 Weight Pipe Length - I. D. - in.
Weight 9.4+ Water Loss 18.4 cc. Drill Pipe Length 3113 I. D. 3.2 in.
Chlorides 21,500 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number = Anchor Length 11 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 in.

Blow: Weak blow building to good blow.

Recovered 420 ft. of muddy salt water with 57,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:45 ~~A.M.~~ P.M. Time Started Off Bottom 9:30 ~~A.M.~~ P.M. Maximum Temperature 113°
Initial Hydrostatic Pressure (A) 1725 P.S.I.
Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 117 P.S.I.
Initial Closed In Period Minutes 57 (D) 1439 P.S.I.
Final Flow Period Minutes 45 (E) 158 P.S.I. to (F) 212 P.S.I.
Final Closed In Period Minutes 87 (G) 1439 P.S.I.
Final Hydrostatic Pressure (H) 1666 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/2/82 Test Ticket No. 16338
 Recorder No. 1566 Capacity 4300 Location 3351 Ft.
 Clock No. -- Elevation 1373 Ground Level Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1725</u> P.S.I.	Open Tool	<u>5:45P</u>	<u>M</u>
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>117</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1439</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>158</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>212</u> P.S.I.			
G Final Closed-in Pressure	<u>1439</u> P.S.I.			
H Final Hydrostatic Mud	<u>1666</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>29</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>41</u>	<u>0</u>	<u>117</u>	<u>0</u>	<u>158</u>	<u>0</u>	<u>212</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>1289</u>	<u>5</u>	<u>158</u>	<u>3</u>	<u>1285</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>1339</u>	<u>10</u>	<u>158</u>	<u>6</u>	<u>1332</u>
P 4 <u>15</u>	<u>73</u>	<u>9</u>	<u>1371</u>	<u>15</u>	<u>166</u>	<u>9</u>	<u>1360</u>
P 5 <u>20</u>	<u>93</u>	<u>12</u>	<u>1392</u>	<u>20</u>	<u>175</u>	<u>12</u>	<u>1383</u>
P 6 <u>25</u>	<u>110</u>	<u>15</u>	<u>1403</u>	<u>25</u>	<u>184</u>	<u>15</u>	<u>1396</u>
P 7 <u>30</u>	<u>117</u>	<u>18</u>	<u>1411</u>	<u>30</u>	<u>193</u>	<u>18</u>	<u>1407</u>
P 8 _____		<u>21</u>	<u>1417</u>	<u>35</u>	<u>202</u>	<u>21</u>	<u>1413</u>
P 9 _____		<u>24</u>	<u>1423</u>	<u>40</u>	<u>211</u>	<u>24</u>	<u>1418</u>
P10 _____		<u>27</u>	<u>1426</u>	<u>45</u>	<u>212</u>	<u>27</u>	<u>1423</u>
P11 _____		<u>30</u>	<u>1428</u>			<u>30</u>	<u>1425</u>
P12 _____		<u>33</u>	<u>1430</u>			<u>33</u>	<u>1427</u>
P13 _____		<u>36</u>	<u>1432</u>			<u>36</u>	<u>1428</u>
P14 _____		<u>39</u>	<u>1434</u>			<u>39</u>	<u>1429</u>
P15 _____		<u>42</u>	<u>1435</u>			<u>42</u>	<u>1430</u>
P16 _____		<u>45</u>	<u>1436</u>			<u>45</u>	<u>1431</u>
P17 _____		<u>48</u>	<u>1437</u>			<u>48</u>	<u>1432</u>
P18 _____		<u>51</u>	<u>1438</u>			<u>51</u>	<u>1433</u>
P19 _____		<u>54</u>	<u>1439</u>			<u>54</u>	<u>1434</u>
P20 _____		<u>57</u>	<u>1439</u>			<u>57</u>	<u>1435</u>
						<u>60</u>	<u>1436</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8/2/82 Test Ticket No. 16338
 Recorder No. 1566 Capacity 4300 Location 3351 Ft.
 Clock No. -- Elevation 1373 Ground Level Well Temperature 113 °F

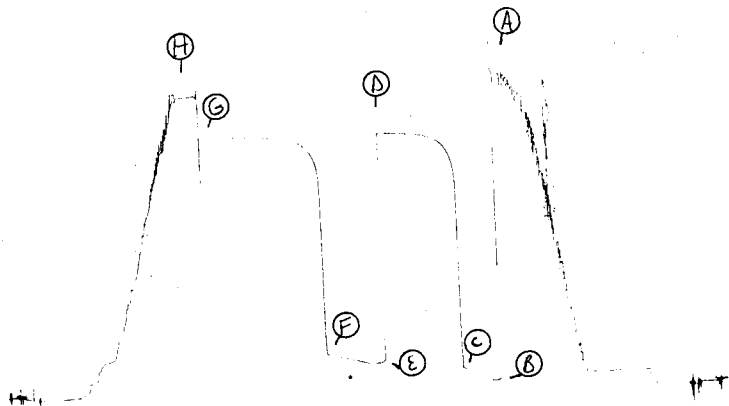
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1725 P.S.I.	5:45P	M
B First Initial Flow Pressure	41 P.S.I.	30 Mins	30 Mins.
C First Final Flow Pressure	117 P.S.I.	60 Mins	57 Mins.
D Initial Closed-in Pressure	1439 P.S.I.	45 Mins	45 Mins.
E Second Initial Flow Pressure	158 P.S.I.	90 Mins	87 Mins.
F Second Final Flow Pressure	212 P.S.I.		
G Final Closed-in Pressure	1439 P.S.I.		
H Final Hydrostatic Mud	1666 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>29</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	1437
P 2						66	1438
P 3						69	1439
P 4						72	1439
P 5						75	1439
P 6						78	1439
P 7						81	1439
P 8						84	1439
P 9						87	1439
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16338

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 16338

P. O. BOX 1599
WICHITA, KANSAS 67201Elevation 137391 Formation Swamp Eff. Pay Ft.District Pratt Date 8-2-82 Customer Order No. COMPANY NAME Leben Drilling CorporationADDRESS 105 S. Broadway Suite 640 Wichita, KS 67202LEASE AND WELL NO. White #1 COUNTY Kingman STATE Ks. Sec. 13 Twp. 28 Rge. 5Mail Invoice To #1 WHITE No. Copies Requested Co. Name Address Mail Charts To No. Copies Requested Address Formation Test No. 1 Interval Tested From 3348 ft. to 3359 ft. Total Depth 3359 ft.Packer Depth 3343 ft. Size 6 5/8 in. Packer Depth ft. Size in.Packer Depth 3348 ft. Size 6 5/8 in. Packer Depth ft. Size in.Depth of Selective Zone Set Top Recorder Depth (Inside) 3351 ft. Recorder Number 1566 Cap. 4300Bottom Recorder Depth (Outside) 3355 ft. Recorder Number 3066 Cap. 4500Below Straddle Recorder Depth ft. Recorder Number Cap. Drilling Contractor Leben #7 Drill Collar Length 214 I. D. 2.2 in.Mud Type chemical Viscosity 47 Weight Pipe Length I. D. in.Weight 9.44 Water Loss 18.4 cc. Drill Pipe Length 3113' I. D. 3.2 in.Chlorides 21,500 P.P.M. Test Tool Length 21' Tool Size 5 1/2 in.Jars: Make Serial Number Anchor Length 11' 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 in.Blow: OK Building to GoodRecovered 420' ft. of Red muddy Salt water 57,000 Chlorides.Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks: RECEIVED
AUG 4 - 1982Time On Location 2:30 A.M. Time Pick Up Tool 3:30 P.M. Time Off Location 12:30 A.M.Time Set Packer(s) 5:45 P.M. Time Started Off Bottom 9:30 P.M. Maximum Temperature 113°Initial Hydrostatic Pressure (A) 1776 P.S.I.Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 129 P.S.I.Initial Closed In Period Minutes 60 (D) 1441 P.S.I.Final Flow Period Minutes 45 (E) 162 P.S.I. to (F) 216 P.S.I.Final Closed In Period Minutes 90 (G) 1441 P.S.I.Final Hydrostatic Pressure (H) 1668 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 Kenneth D. Spear
Signature of Customer or his authorized representativeWestern Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test	\$ <u>600.00</u>
Misrun	\$ <u> </u>
Straddle Test	\$ <u> </u>
Jars	\$ <u> </u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Mileage <u>65</u>	\$ <u> </u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>
Insurance	\$ <u> </u>
Telecopier	\$ <u> </u>
TOTAL	\$ <u>600.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8-2 Test Ticket No. 16338
 Recorder No. 1566 Capacity 4300 Location 3351 Ft.
 Clock No. --- Elevation 1373 Well Temperature 113 °F

Point **Pressure**
 A Initial Hydrostatic Mud 1725 P.S.I.
 B First Initial Flow Pressure 41 P.S.I.
 C First Final Flow Pressure 117 P.S.I.
 D Initial Closed-in Pressure 1439 P.S.I.
 E Second Initial Flow Pressure 158 P.S.I.
 F Second Final Flow Pressure 212 P.S.I.
 G Final Closed-in Pressure 1439 P.S.I.
 H Final Hydrostatic Mud 1666 P.S.I.

Time Given **Time Computed**
5:45 P
 Open Tool 30 Mins. 30 Mins.
 First Flow Pressure 60 Mins. 57 Mins.
 Initial Closed-in Pressure 45 Mins. 45 Mins.
 Second Flow Pressure 90 Mins. 87 Mins.
 Final Closed-in Pressure

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 19 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 29 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.
P 1 0	<u>41</u>
P 2 5	<u>43</u>
P 3 10	<u>56</u>
P 4 15	<u>73</u>
P 5 20	<u>93</u>
P 6 25	<u>110</u>
P 7 30	<u>117</u>
P 8 35	
P 9 40	
P 10 45	
P 11 50	
P 12 55	
P 13 60	
P 14	
P 15	
P 16	
P 17	
P 18	
P 19	
P 20	

Point Minutes	Press.
0	<u>117</u>
3	<u>1289</u>
6	<u>1339</u>
9	<u>1371</u>
12	<u>1392</u>
15	<u>1403</u>
18	<u>1411</u>
21	<u>1417</u>
24	<u>1423</u>
27	<u>1426</u>
30	<u>1428</u>
33	<u>1430</u>
36	<u>1432</u>
39	<u>1434</u>
42	<u>1435</u>
45	<u>1436</u>
48	<u>1437</u>
51	<u>1438</u>
54	<u>1439</u>
57	<u>1439</u>

Point Minutes	Press.
0	<u>158</u>
5	<u>158</u>
10	<u>158</u>
15	<u>166</u>
20	<u>175</u>
25	<u>184</u>
30	<u>193</u>
35	<u>202</u>
40	<u>211</u>
45	<u>212</u>
50	
55	
60	
65	
70	
75	
80	
85	
90	

Point Minutes	Press.
0	<u>212</u>
3	<u>1285</u>
6	<u>1332</u>
9	<u>1360</u>
12	<u>1383</u>
15	<u>1396</u>
18	<u>1407</u>
21	<u>1413</u>
24	<u>1418</u>
27	<u>1423</u>
30	<u>1425</u>
33	<u>1427</u>
36	<u>1428</u>
39	<u>1429</u>
42	<u>1430</u>
45	<u>1431</u>
48	<u>1432</u>
51	<u>1433</u>
54	<u>1434</u>
57	<u>1435</u>
60	<u>1436</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16338

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 _____		63 _____				63 _____	1437
P 2 _____		66 _____				66 _____	1438
P 3 _____		69 _____				69 _____	1439
P 4 _____		72 _____				72 _____	1439
P 5 _____		75 _____				75 _____	1439
P 6 _____		78 _____				78 _____	
P 7 _____		81 _____				81 _____	
P 8 _____		84 _____				84 _____	
P 9 _____		87 _____				87 _____	1439
P10 _____		90 _____				90 _____	
P11 _____		93 _____				93 _____	
P12 _____		96 _____				96 _____	
P13 _____		99 _____				99 _____	
P14 _____		102 _____				102 _____	
P15 _____		105 _____				105 _____	
P16 _____		108 _____				108 _____	
P17 _____		111 _____				111 _____	
P18 _____		114 _____				114 _____	
P19 _____		117 _____				117 _____	
P20 _____		120 _____				120 _____	

Company Leben Drilling Company Lease & Well No. #1 White
Elevation 1373 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 16340
Date 8/4/82 Sec. 13 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by Kenneth D Spear Western Representative Mike Rogers

Formation Test No. 2 Interval Tested from 3794 ft. to 3804 ft. Total Depth 3804 ft.

Packer Depth 3789 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3794 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3797 ft.

Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3801 ft.

Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor Leben Drilling Rig #7

Drill Collar Length 214 I. D. 2.2 in.

Mud Type Chemical Viscosity 43

Weight Pipe Length - I. D. - in.

Weight 9.3+ Water Loss 18.0 cc.

Drill Pipe Length 3559 I. D. 3.2 in.

Chlorides 17,000 P.P.M.

Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number -

Anchor Length 10 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 in.

Blow: Weak building to good 10 inch then slightly depleating on initial flow period.

Weak building to fair 6 inches then depleating on final flow period.

Recovered 60 ft. of drilling mud very slightly gas cut with a few oil specks

Recovered 60 ft. of drilling mud - 55% mud; 40% water; 5% oil

Recovered - ft. of Chlorides 27,000 PPM

Recovered - ft. of

Recovered - ft. of

Remarks:

Time Set Packer(s) 6:45 ~~A.M.~~ P.M. Time Started Off Bottom 10:30 ~~A.M.~~ P.M. Maximum Temperature 115

Initial Hydrostatic Pressure (A) 1980 P.S.I.

Initial Flow Period Minutes 25 (B) 51 P.S.I. to (C) 51 P.S.I.

Initial Closed In Period Minutes 60 (D) 688 P.S.I.

Final Flow Period Minutes 45 (E) 80 P.S.I. to (F) 80 P.S.I.

Final Closed In Period Minutes 84 (G) 770 P.S.I.

Final Hydrostatic Pressure (H) 1956 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/4/82 Test Ticket No. 16340
 Recorder No. 1566 Capacity 4300 Location 3797 Ft.
 Clock No. - Elevation 1373 Ground Level Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1980 P.S.I.	Open Tool	6:45P	M
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins	25 Mins.
C First Final Flow Pressure	51 P.S.I.	Initial Closed-in Pressure	60 Mins	60 Mins.
D Initial Closed-in Pressure	688 P.S.I.	Second Flow Pressure	45 Mins	45 Mins.
E Second Initial Flow Pressure	80 P.S.I.	Final Closed-in Pressure	90 Mins	84 Mins.
F Second Final Flow Pressure	80 P.S.I.			
G Final Closed-in Pressure	770 P.S.I.			
H Final Hydrostatic Mud	1956 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>28</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	51	0	51	0	80	0	80
P 2 5	51	3	62	5	80	3	101
P 3 10	51	6	77	10	80	6	117
P 4 15	51	9	89	15	80	9	135
P 5 20	51	12	106	20	80	12	155
P 6 25	51	15	135	25	80	15	175
P 7		18	157	30	80	18	197
P 8		21	183	35	80	21	225
P 9		24	216	40	80	24	248
P10		27	255	45	80	27	273
P11		30	292			30	296
P12		33	331			33	321
P13		36	381			36	351
P14		39	424			39	376
P15		42	461			42	411
P16		45	501			45	440
P17		48	541			48	470
P18		51	579			51	496
P19		54	616			54	528
P19		57	651			57	558
P20		60	688			60	588

WESTERN TESTING CO., INC.

Pressure Data

Date 8/4/82 Test Ticket No. 16340

Recorder No. 1566 Capacity 4300 Location 3797 Ft.

Clock No. - Elevation 1373 Ground Level Well Temperature 115 °F

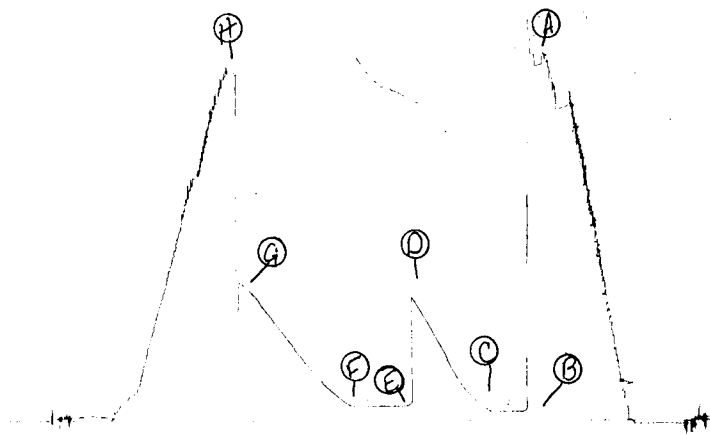
Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1980</u> P.S.I.		<u>6:45P</u>	<u>M</u>
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>688</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>80</u> P.S.I.			
G Final Closed-in Pressure	<u>770</u> P.S.I.			
H Final Hydrostatic Mud	<u>1956</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>28</u> 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>616</u>
P 2						<u>66</u>	<u>645</u>
P 3						<u>69</u>	<u>684</u>
P 4						<u>72</u>	<u>708</u>
P 5						<u>75</u>	<u>728</u>
P 6						<u>78</u>	<u>751</u>
P 7						<u>81</u>	<u>770</u>
P 8						<u>84</u>	<u>770</u>
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TR #16340

I.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16340

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

Elevation 1373 g 1 Formation Miss Eff. Pay Ft.

District Pratt Date 8-4-82 Customer Order No.

COMPANY NAME Leben Oil Co. Company

ADDRESS 105 S. Broadway Suite 640 Wichita, Ks. 67202-4260

LEASE AND WELL NO. #1 White COUNTY Kingman STATE Ks. Sec. 13 Twp. 28 Rge. 5

Mail Invoice To #1 White No. Copies Requested

Co. Name Address

Mail Charts To No. Copies Requested

Address

Formation Test No. 2 Interval Tested From 3794 ft. to 3804 ft. Total Depth 3804 ft.

Packer Depth 3789 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3794 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3797 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3801 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co Tools Rig 7 Drill Collar Length 214' I. D. 2.2 in.

Mud Type Chem Viscosity 43 Weight Pipe Length I. D. in.

Weight 9.37 Water Loss 16 cc. Drill Pipe Length 3559' I. D. 3.2 in.

Chlorides 17,000 P.P.M. Test Tool Length 21' ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 10' 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 in.

Blow: wk building to good 10 inch then slightly depleting. 2PP.

wk building to fair 6 inch then depleting.

Recovered 60' ft. of Dril mud Very slightly gas cut w/ a few Oil Sprinkles

Recovered 60' ft. of Dril mud w/ 55% mud 40% water 5% oil

Recovered ft. of w/ 27,000 Chlorides

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED
AUG 9 - 1982

Time On Location 2:45 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location 11:30 A.M.

Time Set Packer(s) 6:45 P.M. Time Started Off Bottom 10:30 P.M. Maximum Temperature 115%

Initial Hydrostatic Pressure (A) 2036 P.S.I.

Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period Minutes 60 (D) 679 P.S.I.

Final Flow Period Minutes 45 (E) 75 P.S.I. to (F) 75 P.S.I.

Final Closed In Period Minutes 90 (G) 776 P.S.I.

Final Hydrostatic Pressure (H) 1971 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 Kenneth D. Spear
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thanks Again!

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 65 \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 600.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-4 Test Ticket No. 16340
 Recorder No. 1566 Capacity 4300 Location 3797 Ft.
 Clock No. --- Elevation 1373 Well Temperature 115 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1980</u> P.S.I.		<u>6:45</u> P	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>688</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>80</u> P.S.I.			
G Final Closed-in Pressure	<u>770</u> P.S.I.			
H Final Hydrostatic Mud	<u>1956</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>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>28</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	<u>51</u>	0	<u>51</u>	0	<u>80</u>	0	<u>80</u>
P 2 5		3	<u>62</u>	5		3	<u>101</u>
P 3 10		6	<u>77</u>	10		6	<u>117</u>
P 4 15		9	<u>89</u>	15		9	<u>135</u>
P 5 20		12	<u>106</u>	20		12	<u>155</u>
P 6 25	<u>51</u>	15	<u>135</u>	25		15	<u>175</u>
P 7 30		18	<u>157</u>	30		18	<u>197</u>
P 8 35		21	<u>183</u>	35		21	<u>225</u>
P 9 40		24	<u>216</u>	40		24	<u>248</u>
P10 45		27	<u>255</u>	45	<u>80</u>	27	<u>273</u>
P11 50		30	<u>292</u>	50		30	<u>296</u>
P12 55		33	<u>331</u>	55		33	<u>321</u>
P13 60		36	<u>381</u>	60		36	<u>351</u>
P14		39	<u>424</u>	65		39	<u>376</u>
P15		42	<u>461</u>	70		42	<u>411</u>
P16		45	<u>501</u>	75		45	<u>440</u>
P17		48	<u>541</u>	80		48	<u>470</u>
P18		51	<u>579</u>	85		51	<u>496</u>
P19		54	<u>616</u>	90		54	<u>528</u>
P20		57	<u>651</u>			57	<u>558</u>
		60	<u>688</u>			60	<u>588</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16340

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		63				63	616
P 2		66				66	645
P 3		69				69	684
P 4		72				72	708
P 5		75				75	728
P 6		78				78	751
P 7		81				81	770
P 8		84				84	770
P 9		87				87	
P10		90				90	
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Leben Drilling Company Lease & Well No. #1 White
Elevation 1373 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 16341
Date 8/5/82 Sec. 13 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by Kenneth D Spear Western Representative Mike Rogers

Formation Test No. 3 Interval Tested from 3810 ft. to 3824 ft. Total Depth 3824 ft.

Packer Depth 3805 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3810 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3813 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3817 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Leben Drilling Rig #7 Drill Collar Length 214 I. D. 2.2 in.

Mud Type Chemical Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 19.2 cc. Drill Pipe Length 3575 I. D. 3.2 in.

Chlorides 17,500 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 14 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 in.

Blow: Fair 6 inch blow depleating to very weak 1/4 inch initial flow period.

Dead final flow period - flushed tool - very weak 1/4 inch.

Recovered 225 ft. of drilling mud with a few oil spots in top of tool

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

slid tool 15 ft. to bottom.

Time Set Packer(s) 1:00 A.M. Time Started Off Bottom 3:15 A.M. Maximum Temperature -

Initial Hydrostatic Pressure - (A) 1948 P.S.I.

Initial Flow Period 30 Minutes (B) Plugged P.S.I. to (C) Plugged P.S.I.

Initial Closed In Period 81 Minutes (D) 1286 P.S.I.

Final Flow Period 15 Minutes (E) Plugged P.S.I. to (F) Plugged P.S.I.

Final Closed In Period 27 Minutes (G) 1236 P.S.I.

Final Hydrostatic Pressure - (H) 1939 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/5/82 Test Ticket No. 16341
Recorder No. 1566 Capacity 4300 Location 3813 Ft.
Clock No. - Elevation 1373 Ground Level Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1948</u> P.S.I.	Open Tool	<u>1:00P</u> M	
B First Initial Flow Pressure	<u>Plugged</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>Plugged</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>81</u> Mins.
D Initial Closed-in Pressure	<u>1286</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>Plugged</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>Plugged</u> P.S.I.			
G Final Closed-in Pressure	<u>1236</u> P.S.I.			
H Final Hydrostatic Mud	<u>1939</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>27</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>9</u> 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>0</u>	<u>Plugged</u>	<u>0</u>	<u>Plugged</u>	<u>0</u>	<u>Plugged</u>	<u>0</u>	<u>Plugged</u>
P 2 <u>5</u>	<u>Plugged</u>	<u>3</u>	<u>1268</u>	<u>5</u>	<u>Plugged</u>	<u>3</u>	<u>1151</u>
P 3 <u>10</u>	<u>Plugged</u>	<u>6</u>	<u>1276</u>	<u>10</u>	<u>Plugged</u>	<u>6</u>	<u>1179</u>
P 4 <u>15</u>	<u>Plugged</u>	<u>9</u>	<u>1282</u>	<u>15</u>	<u>Plugged</u>	<u>9</u>	<u>1193</u>
P 5 <u>20</u>	<u>Plugged</u>	<u>12</u>	<u>1286</u>			<u>12</u>	<u>1207</u>
P 6 <u>25</u>	<u>Plugged</u>	<u>15</u>	<u>1287</u>			<u>15</u>	<u>1218</u>
P 7 <u>30</u>	<u>Plugged</u>	<u>18</u>	<u>1288</u>			<u>18</u>	<u>1227</u>
P 8		<u>21</u>	<u>1288</u>			<u>21</u>	<u>1233</u>
P 9		<u>24</u>	<u>1288</u>			<u>24</u>	<u>1236</u>
P10		<u>27</u>	<u>1288</u>			<u>27</u>	<u>1236</u>
P11		<u>30</u>	<u>1288</u>				
P12		<u>33</u>	<u>1288</u>				
P13		<u>36</u>	<u>1288</u>				
P14		<u>39</u>	<u>1288</u>				
P15		<u>42</u>	<u>1288</u>				
P16		<u>45</u>	<u>1288</u>				
P17		<u>48</u>	<u>1288</u>				
P18		<u>51</u>	<u>1288</u>				
P19		<u>54</u>	<u>1288</u>				
P20		<u>57</u>	<u>1288</u>				
		<u>60</u>	<u>1288</u>				

WESTERN TESTING CO., INC.
Pressure Data

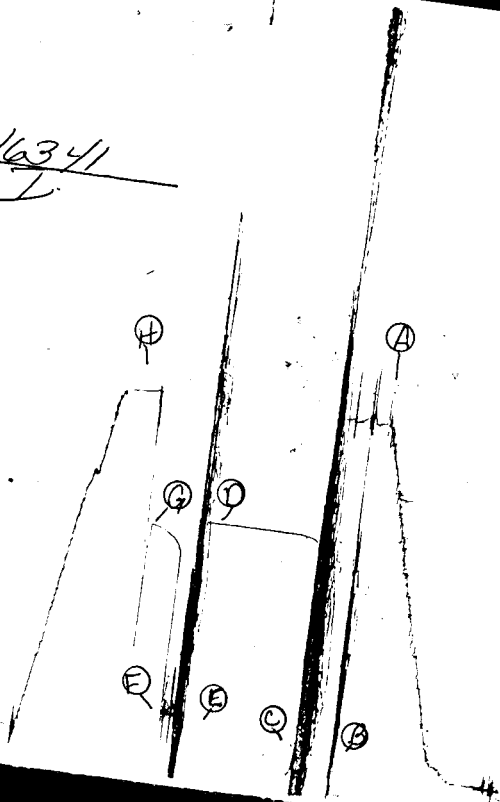
Date 8/5/82 Test Ticket No. 16341
 Recorder No. 1566 Capacity 4300 Location 3813 Ft.
 Clock No. - Elevation 1373 Ground Level Well Temperature - °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1948 P.S.I. Open Tool 1:00P M
 B First Initial Flow Pressure Plugged P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure Plugged P.S.I. Initial Closed-in Pressure 60 Mins. 81 Mins.
 D Initial Closed-in Pressure 1286 P.S.I. Second Flow Pressure 15 Mins. 15 Mins.
 E Second Initial Flow Pressure Plugged P.S.I. Final Closed-in Pressure 30 Mins. 27 Mins.
 F Second Final Flow Pressure Plugged P.S.I.
 G Final Closed-in Pressure 1236 P.S.I.
 H Final Hydrostatic Mud 1939 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>27</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>9</u> 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		63	1288				
P 2		66	1288				
P 3		69	1288				
P 4		72	1288				
P 5		75	1287				
P 6		78	1286				
P 7		81	1286				
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1566

TR # 16341
I





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16341

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

Elevation 137391 Formation Miss Eff. Pay Ft.

District Pratt Date 8-5-82 Customer Order No.

COMPANY NAME Loben Delg Company

ADDRESS 105 S Broadway #640 Wichita Ks. 67202

LEASE AND WELL NO. #1 White COUNTY Kingman STATE Ko. Sec. 13 Twp. 28 Rge. 5

Mail Invoice To #1 White Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. 3 Interval Tested From 3810 ft. to 3824 ft. Total Depth 3824 ft.

Packer Depth 3805 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3810 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3813 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3817 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co Tools Rig 7 Drill Collar Length 210' I. D. 2.2 in.

Mud Type Chem Viscosity 36 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 19.2 cc. Drill Pipe Length 357.5' I. D. 3.2 in.

Chlorides 17,500 P.P.M. Test Tool Length 21' ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 14' 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" in.

Blow: Fair 6 inch depletion to Vex WK 1/4 inch I.F.P.
Dead FEP flushed tool Vex WK 1/4"

Recovered 225' ft. of Pilg. mud w/ a few oil spots in top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid Tool 15' To Bottom!

Time On Location 10:00 A.M. Time Pick Up Tool 11:00 A.M. Time Off Location P.M.

Time Set Packer(s) 1:00 A.M. Time Started Off Bottom 3:15 P.M. Maximum Temperature

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

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

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

Final Flow Period Minutes 15 (E) P.S.I. to (F) P.S.I.

Final Closed In Period Minutes 30 (G) P.S.I.

Final Hydrostatic Pressure (H) 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 Kenneth Spear
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thanks Again!

FIELD INVOICE

Open Hole Test	\$	<u>2400.00</u>
Misrun	\$	<u> </u>
Straddle Test	\$	<u> </u>
Jars	\$	<u> </u>
Selective Zone	\$	<u> </u>
Safety Joint	\$	<u> </u>
Standby	\$	<u> </u>
Evaluation	\$	<u> </u>
Extra Packer	\$	<u> </u>
Circ. Sub.	\$	<u> </u>
Mileage	\$	<u> </u>
Fluid Sampler	\$	<u> </u>
Extra Charts	\$	<u> </u>
Insurance	\$	<u> </u>
Telecopier	\$	<u> </u>
TOTAL	\$	<u>400.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8-5 Test Ticket No. 16341
 Recorder No. 1566 Capacity 4300 Location 3813 Ft.
 Clock No. --- Elevation 1373 Well Temperature --- °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1948</u> P.S.I.		<u>1:00</u> P	<u>M</u>
B First Initial Flow Pressure	<u>Plugged</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>Plugged</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>81</u> Mins.
D Initial Closed-in Pressure	<u>1286</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>Plugged</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>Plugged</u> P.S.I.			
G Final Closed-in Pressure	<u>1236</u> P.S.I.			
H Final Hydrostatic Mud	<u>1939</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>27</u> Inc.		Breakdown: <u>3</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>Plugged</u>	<u>0</u>	<u>Plugged</u>	<u>0</u>	<u>Plugged</u>	<u>0</u>	<u>Plugged</u>
P 2 <u>5</u>		<u>3</u>	<u>1268</u>	<u>5</u>		<u>3</u>	<u>1151</u>
P 3 <u>10</u>		<u>6</u>	<u>1276</u>	<u>10</u>		<u>6</u>	<u>1179</u>
P 4 <u>15</u>		<u>9</u>	<u>1282</u>	<u>15</u>	<u>Plugged</u>	<u>9</u>	<u>1193</u>
P 5 <u>20</u>		<u>12</u>	<u>1286</u>	<u>20</u>		<u>12</u>	<u>1207</u>
P 6 <u>25</u>		<u>15</u>	<u>1287</u>	<u>25</u>		<u>15</u>	<u>1218</u>
P 7 <u>30</u>	<u>Plugged</u>	<u>18</u>	<u>1288</u>	<u>30</u>		<u>18</u>	<u>1227</u>
P 8 <u>35</u>		<u>21</u>		<u>35</u>		<u>21</u>	<u>1233</u>
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	<u>1236</u>
P10 <u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	<u>1236</u>
P11 <u>50</u>		<u>30</u>	<u>1288</u>	<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>	<u>1288</u>	<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>	<u>1288</u>			<u>60</u>	

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16341

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		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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	<u>1288</u>	_____	_____	63	_____
P 2 _____	_____	66	<u>5</u>	_____	_____	66	_____
P 3 _____	_____	69	<u>5</u>	_____	_____	69	_____
P 4 _____	_____	72	<u>1288</u>	_____	_____	72	_____
P 5 _____	_____	75	<u>1287</u>	_____	_____	75	_____
P 6 _____	_____	78	<u>1286</u>	_____	_____	78	_____
P 7 _____	_____	81	<u>1286</u>	_____	_____	81	_____
P 8 _____	_____	84	_____	_____	_____	84	_____
P 9 _____	_____	87	_____	_____	_____	87	_____
P10 _____	_____	90	_____	_____	_____	90	_____
P11 _____	_____	93	_____	_____	_____	93	_____
P12 _____	_____	96	_____	_____	_____	96	_____
P13 _____	_____	99	_____	_____	_____	99	_____
P14 _____	_____	102	_____	_____	_____	102	_____
P15 _____	_____	105	_____	_____	_____	105	_____
P16 _____	_____	108	_____	_____	_____	108	_____
P17 _____	_____	111	_____	_____	_____	111	_____
P18 _____	_____	114	_____	_____	_____	114	_____
P19 _____	_____	117	_____	_____	_____	117	_____
P20 _____	_____	120	_____	_____	_____	120	_____

Company Leben Drilling Company Lease & Well No. #1 White
Elevation 1373 Ground Level Mississippi Effective Pay - Ft. Ticket No. 16342
Date 8/6/82 Sec. 13 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by Kenneth D Spear Western Representative Mike Rogers

Formation Test No. 4 Interval Tested from 3811 ft. to 3824 ft. Total Depth 3824 ft.

Packer Depth 3806 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3811 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3814 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3818 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Leben Drilling Rig #7 Drill Collar Length 214 I. D. 2.2 in.

Mud Type Chemical Viscosity - Weight Pipe Length - I. D. - in.

Weight - Water Loss - cc. Drill Pipe Length 3576 I. D. 3.2 in.

Chlorides - P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 13 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 in.

Blow: Weak building to 3 inch blow then depleating to 2 inches initial flow period.

Weak building to steady 2 1/2 inch blow final flow period.

Recovered 60 ft. of very slightly gassy drilling mud with slight oil show - 94% mud; 5% water;
1% oil

Recovered 250 ft. of muddy water Chlorides 42,000 PPM

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 10:15 A.M. Time Started Off Bottom 2:00 P.M. Maximum Temperature 115

Initial Hydrostatic Pressure 1962 P.S.I.

Initial Flow Period 30 Minutes (B) 57 P.S.I. to (C) 101 P.S.I.

Initial Closed In Period 57 Minutes (D) 1189 P.S.I.

Final Flow Period 45 Minutes (E) 142 P.S.I. to (F) 163 P.S.I.

Final Closed In Period 84 Minutes (G) 1183 P.S.I.

Final Hydrostatic Pressure 1962 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/6/82 Test Ticket No. 16342
Recorder No. 1566 Capacity 4300 Location 3814 Ft.
Clock No. - Elevation 1373 Ground Level Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1962</u> P.S.I.	Open Tool	<u>10:15A</u> M	
B First Initial Flow Pressure	<u>57</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>101</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1189</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>142</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>84</u> Mins.
F Second Final Flow Pressure	<u>163</u> P.S.I.			
G Final Closed-in Pressure	<u>1183</u> P.S.I.			
H Final Hydrostatic Mud	<u>1962</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>28</u> 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>0</u>	<u>57</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>142</u>	<u>0</u>	<u>163</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>663</u>	<u>5</u>	<u>142</u>	<u>3</u>	<u>682</u>
P 3 <u>10</u>	<u>59</u>	<u>6</u>	<u>839</u>	<u>10</u>	<u>142</u>	<u>6</u>	<u>822</u>
P 4 <u>15</u>	<u>70</u>	<u>9</u>	<u>925</u>	<u>15</u>	<u>142</u>	<u>9</u>	<u>895</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>979</u>	<u>20</u>	<u>142</u>	<u>12</u>	<u>938</u>
P 6 <u>25</u>	<u>95</u>	<u>15</u>	<u>1019</u>	<u>25</u>	<u>145</u>	<u>15</u>	<u>978</u>
P 7 <u>30</u>	<u>101</u>	<u>18</u>	<u>1050</u>	<u>30</u>	<u>151</u>	<u>18</u>	<u>1004</u>
P 8		<u>21</u>	<u>1075</u>	<u>35</u>	<u>157</u>	<u>21</u>	<u>1027</u>
P 9		<u>24</u>	<u>1095</u>	<u>40</u>	<u>162</u>	<u>24</u>	<u>1047</u>
P10		<u>27</u>	<u>1110</u>	<u>45</u>	<u>163</u>	<u>27</u>	<u>1063</u>
P11		<u>30</u>	<u>1124</u>			<u>30</u>	<u>1078</u>
P12		<u>33</u>	<u>1137</u>			<u>33</u>	<u>1091</u>
P13		<u>36</u>	<u>1147</u>			<u>36</u>	<u>1102</u>
P14		<u>39</u>	<u>1155</u>			<u>39</u>	<u>1111</u>
P15		<u>42</u>	<u>1163</u>			<u>42</u>	<u>1120</u>
P16		<u>45</u>	<u>1170</u>			<u>45</u>	<u>1127</u>
P17		<u>48</u>	<u>1177</u>			<u>48</u>	<u>1134</u>
P18		<u>51</u>	<u>1182</u>			<u>51</u>	<u>1141</u>
P19		<u>54</u>	<u>1186</u>			<u>54</u>	<u>1148</u>
P20		<u>57</u>	<u>1189</u>			<u>57</u>	<u>1154</u>
						<u>60</u>	<u>1160</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8/6/82 Test Ticket No. 16342
 Recorder No. 1566 Capacity 4300 Location 3814 Ft.
 Clock No. - Elevation 1373 Ground Level Well Temperature 115 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1962 P.S.I. Open Tool 10:15A M
 B First Initial Flow Pressure 57 P.S.I. First Flow Pressure 30 Mins 30 Mins.
 C First Final Flow Pressure 101 P.S.I. Initial Closed-in Pressure 60 Mins 57 Mins.
 D Initial Closed-in Pressure 1189 P.S.I. Second Flow Pressure 45 Mins 45 Mins.
 E Second Initial Flow Pressure 142 P.S.I. Final Closed-in Pressure 90 Mins 84 Mins.
 F Second Final Flow Pressure 163 P.S.I.
 G Final Closed-in Pressure 1183 P.S.I.
 H Final Hydrostatic Mud 1962 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>28</u> 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>1164</u>
P 2						<u>66</u>	<u>1168</u>
P 3						<u>69</u>	<u>1172</u>
P 4						<u>72</u>	<u>1175</u>
P 5						<u>75</u>	<u>1178</u>
P 6						<u>78</u>	<u>1180</u>
P 7						<u>81</u>	<u>1182</u>
P 8						<u>84</u>	<u>1183</u>
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Liquid Production

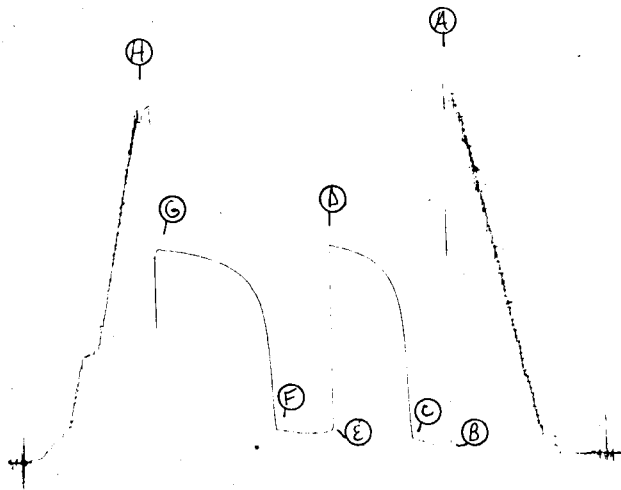
B.T. Gauge Numbers		1566	Ticket Number	16342
Initial Hydrostatic		1962	Elevation	1373 G.L. ft.
Final Hydrostatic		1962	Indicated Production	1st Flow bbls. day
1st Flow	Initial	57	Total Flow	2.40 bbls. day
	Final	101	Drill Collar Length	214 ft.
Initial Closed In Pressure		1189	Drill Collar I.D.	2.25 in.
2nd Flow	Initial	142	Drill Pipe Factor	.0142 bbls. ft.
	Final	163	Hole Size	7.875 in.
Final Closed In Pressure		1183	Footage Tested	13 ft.
Extrapolated Static Pressure	Initial	1279 - 785	Mud Weight	lbs. gal.
	Final	1239 - 935	Viscosity, Oil or Water	cp
Slope psi/cycle	Initial	493.706	Oil API Gravity	—
	Final	303.463	Water Specific Gravity	—

Remarks: _____

SUMMARY		Gauge No.	Depth	.994	.991
Product	Equation	INITIAL	FINAL	Units	
Production	$Q = \frac{1440 R}{t}$		76.832	bbls. day.	
Transmissibility	$\frac{Kh}{\mu} = \frac{162.6 Q}{m}$		41.095	md. ft. cp	
Indicated Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		164.380	md. ft.	
Average Effective Permeability	$K = \frac{Kh}{h}$		18.264	md.	
	$K_i = \frac{Kh}{h_i}$		-----	md.	
Damage Ratio	$DR = .183 \frac{P_s - P_f}{m}$		.647	—	
Theoretical Potential w/Damage Removed	$Q_1 = Q DR$		-----	bbls. day	
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$		28.668	ft.	
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$			ft.	
Potentiometric Surface *	Pot. = EI - GD + 2.319 Ps			ft.	

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and elevations based thereon, Western Testing Co., Inc. is merely expressing its opinion. You agree that Western Testing Co., Inc. makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Western Testing Co., Inc. shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

INTERPRETATIONS AND CALCULATIONS

TKT #16342I



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16342

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

Elevation 137391. Formation Miss. Eff. Pay Ft.

District Pratt Date 8-6-82 Customer Order No.

COMPANY NAME Leben Drlg. Co.

ADDRESS 105 S. Broadway #640 Wichita K. 67202

LEASE AND WELL NO. White #1 COUNTY Kingman STATE Ks. Sec. 13 Twp. 28 Rge. 5

Mail Invoice To #1 White No. Copies Requested

Co. Name Address

Mail Charts To No. Copies Requested

Address

Formation Test No. 4 Interval Tested From 3811 ft. to 3824 ft. Total Depth 3824 ft.

Packer Depth 3806 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3811 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3814 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3818 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co Tools Rig 7 Drill Collar Length 214 I. D. 2.2 in.

Mud Type chem. Viscosity Weight Pipe Length I. D. in.

Weight Water Loss cc. Drill Pipe Length 3576" I. D. 3.2 in.

Chlorides P.P.M. Test Tool Length 21' ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 13' 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" in.

Blow: Wk Building to 3 inch then degrading to 2 inch S.F.P.

Steady 2 1/2 inch Blow F.F.P.

Recovered 60' ft. of Very Slightly gassy Dgl mud w/ slight oil show

Recovered ft. of 94% mud, 5% water, 1% oil

Recovered 250' ft. of muddy wtr w/ 42,000 ppm Chlorides

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location A.M. Time Pick Up Tool 8:30 A.M. Time Off Location 5:30 P.M.

Time Set Packer(s) 10:15 A.M. Time Started Off Bottom 2:00 A.M. Maximum Temperature 115°

Initial Hydrostatic Pressure (A) 1950 P.S.I.

Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 97 P.S.I.

Initial Closed In Period Minutes 60 (D) 1184 P.S.I.

Final Flow Period Minutes 45 (E) 140 P.S.I. to (F) 151 P.S.I.

Final Closed In Period Minutes 90 (G) 1162 P.S.I.

Final Hydrostatic Pressure (H) 1471 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 Kenneth D. Spear
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thanks Again!

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 600.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-6 Test Ticket No. 16342
 Recorder No. 1566 Capacity 4300 Location 3814 Ft.
 Clock No. --- Elevation 1373 Well Temperature 115 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1962</u> P.S.I.	<u>10:15</u> A.M.	
B First Initial Flow Pressure	<u>57</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>101</u> P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1189</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>142</u> P.S.I.	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>163</u> P.S.I.		
G Final Closed-in Pressure	<u>1183</u> P.S.I.		
H Final Hydrostatic Mud	<u>1962</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>28</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	<u>57</u>	0	<u>101</u>	0	<u>142</u>	0	<u>163</u>
P 2 5	<u>57</u>	3	<u>663</u>	5	<u>/</u>	3	<u>682</u>
P 3 10	<u>59</u>	6	<u>839</u>	10	<u>/</u>	6	<u>822</u>
P 4 15	<u>70</u>	9	<u>925</u>	15	<u>/</u>	9	<u>895</u>
P 5 20	<u>84</u>	12	<u>979</u>	20	<u>142</u>	12	<u>938</u>
P 6 25	<u>95</u>	15	<u>1019</u>	25	<u>145</u>	15	<u>978</u>
P 7 30	<u>101</u>	18	<u>1050</u>	30	<u>151</u>	18	<u>1004</u>
P 8 35		21	<u>1075</u>	35	<u>157</u>	21	<u>1027</u>
P 9 40		24	<u>1095</u>	40	<u>162</u>	24	<u>1047</u>
P10 45		27	<u>1110</u>	45	<u>163</u>	27	<u>1063</u>
P11 50		30	<u>1124</u>	50		30	<u>1078</u>
P12 55		33	<u>1137</u>	55		33	<u>1091</u>
P13 60		36	<u>1147</u>	60		36	<u>1102</u>
P14		39	<u>1155</u>	65		39	<u>1111</u>
P15		42	<u>1163</u>	70		42	<u>1120</u>
P16		1 45 1.66	<u>1170</u>	75		45	<u>1127</u>
P17		2 48 1.62	<u>1177</u>	80		48	<u>1134</u>
P18		3 51 1.58	<u>1182</u>	85		51	<u>1141</u>
P19		4 54 1.55	<u>1186</u>	90		54	<u>1148</u>
P20		5 57 1.52	<u>1189</u>			57	<u>1154</u>
						60	<u>1160</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16342

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

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

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 _____	_____	_____	_____	63 _____	<u>1164</u>
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	<u>1168</u>
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	<u>1172</u>
P 4 _____	_____	72 _____	_____	_____	_____	1 72 1.625	<u>1175</u>
P 5 _____	_____	75 _____	_____	_____	_____	2 75 1.4	<u>1178</u>
P 6 _____	_____	78 _____	_____	_____	_____	3 78 1.57	<u>1180</u>
P 7 _____	_____	81 _____	_____	_____	_____	4 81 1.55	<u>1182</u>
P 8 _____	_____	84 _____	_____	_____	_____	5 84 1.53	<u>1183</u>
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	_____
P10 _____	_____	90 _____	_____	_____	_____	90 _____	_____
P11 _____	_____	93 _____	_____	_____	_____	93 _____	_____
P12 _____	_____	96 _____	_____	_____	_____	96 _____	_____
P13 _____	_____	99 _____	_____	_____	_____	99 _____	_____
P14 _____	_____	102 _____	_____	_____	_____	102 _____	_____
P15 _____	_____	105 _____	_____	_____	_____	105 _____	_____
P16 _____	_____	108 _____	_____	_____	_____	108 _____	_____
P17 _____	_____	111 _____	_____	_____	_____	111 _____	_____
P18 _____	_____	114 _____	_____	_____	_____	114 _____	_____
P19 _____	_____	117 _____	_____	_____	_____	117 _____	_____
P20 _____	_____	120 _____	_____	_____	_____	120 _____	_____

Company Leben Drilling Company Lease & Well No. #1 White
Elevation 1373 Formation Mississippi Effective Pay - Ft. Ticket No. 16343
Date 8/7/82 Sec. 13 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by Kenneth D Spear Western Representative Mike Rogers

Formation Test No. 5 Interval Tested from 3794 ft. to 3804 ft. Total Depth 3828 ft.

Packer Depth 3794 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3804 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3779 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3797 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth 3825 ft. Recorder Number 13267 Cap. 4050

Drilling Contractor Leben Drilling Rig #7 Drill Collar Length 214 I. D. 2.2 in.

Mud Type Chemical Viscosity 40 Tail Weight Pipe Length 24 I. D. - in.

Weight 9.3 Water Loss 16.4 cc. Drill Pipe Length 3551 I. D. 3.2 in.

Chlorides 24,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 10 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 in.

Blow: Very, very weak - flushed tool.

Recovered 450 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Corrected Depth Lost Packer Seat MISRUN

Time Set Packer(s) 10.0 A.M. Time Started Off Bottom - A.M. Maximum Temperature -

Initial Hydrostatic Pressure 30 (A) 1952 P.S.I.

Initial Flow Period Minutes (B) 23 P.S.I. to (C) 41 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) 1952 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/7/82 Test Ticket No. 16343
 Recorder No. 1566 Capacity 4300 Location 3779 Ft.
 Clock No. - Elevation 1373 Kelly Bushing Well Temperature - °F

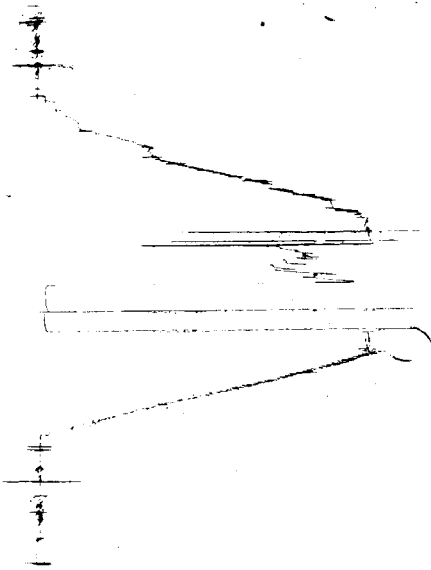
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1952 P.S.I.	Open Tool	-	M
B First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	45 Mins.	- Mins.
D Initial Closed-in Pressure	- P.S.I.	Second Flow Pressure	60 Mins.	- Mins.
E Second Initial Flow Pressure	- P.S.I.	Final Closed-in Pressure	90 Mins.	- Mins.
F Second Final Flow Pressure	- P.S.I.			
G Final Closed-in Pressure	- P.S.I.			
H Final Hydrostatic Mud	1952 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	23						
P 2 5	23						
P 3 10	23						
P 4 15	Flushed Tool						
P 5 20	43						
P 6 25	42						
P 7 30	41						
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

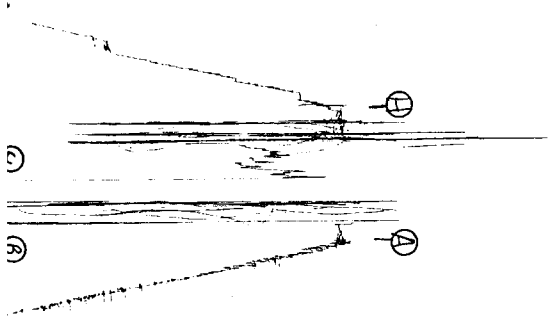
TKT # 16343

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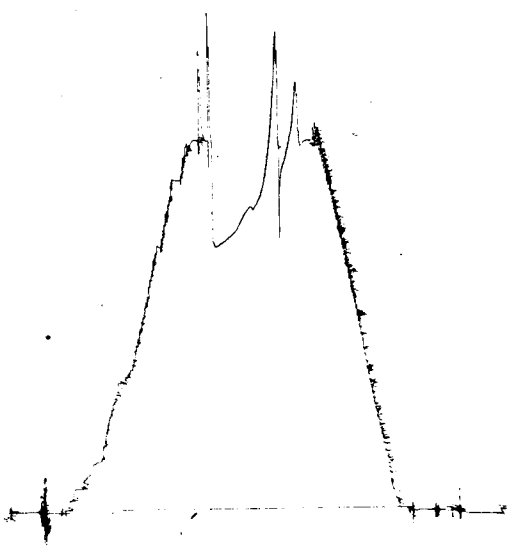


1566

TKT # 16343
I



TKT # 16343
Below Straddle





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16343

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

Elevation 1373 Formation Mud Eff. Pay Ft.

District Pratt Date 8-7-82 Customer Order No.

COMPANY NAME Leban Oil Co.

ADDRESS 105 S. Broadway, Suite 640 Wichita, K. 67202

LEASE AND WELL NO. #1 White COUNTY Kingman STATE Ka Sec. 13 Twp. 28 Rge. 5

Mail Invoice To #1 White Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. 5 Interval Tested From 3794 ft. to 3804 ft. Total Depth 3828 ft.

Packer Depth 3794 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3804 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3779 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3797 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth 3825 ft. Recorder Number 13267 Cap. 4050

Drilling Contractor CoTools Rig 7 Drill Collar Length 214 I. D. 2.2 in.

Mud Type Chem. Viscosity 40 ~~Drill~~ Pipe Length 24' I. D. in.

Weight 9.3 Water Loss 16.4 cc. Drill Pipe Length 3551' I. D. 3.2 in.

Chlorides 24,000 P.P.M. Test Tool Length 29' Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 10' 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" in.

Blow: Very Very WK Flushed in Tool @ 20

Recovered 450' ft. of Oil mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Corrected Depth - Lost Packer Seal

Time On Location 6:30 A.M. Time Pick Up Tool 9:30 A.M. Time Off Location A.M.

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

Initial Hydrostatic Pressure (A) 1971 P.S.I.

Initial Flow Period Minutes 30 (B) 20 P.S.I. to (C) 30 P.S.I.

Initial Closed In Period Minutes 95 (D) P.S.I.

Final Flow Period Minutes 60 (E) P.S.I. to (F) P.S.I.

Final Closed In Period Minutes 90 (G) P.S.I.

Final Hydrostatic Pressure (H) 1971 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 Kenneth D. Spear
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test	\$ <u>400.00</u>
Misrun	\$ <u>400.00</u>
Straddle Test	\$ <u>300.00</u>
Jars	\$ <u>300.00</u>
Selective Zone	\$ <u>65.00</u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Mileage	\$ <u> </u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>
Insurance	\$ <u> </u>
Telecopier	\$ <u> </u>
TOTAL	\$ <u>1065.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8-7 Recorder No. 1566 Capacity 4300 Test Ticket No. 16343
 Clock No. --- Elevation 1373 KB Location 3779 Ft. ---
 Well Temperature --- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1952</u> P.S.I.	Open Tool	<u>---</u> M	<u>---</u>
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>---</u> Mins.
D Initial Closed-in Pressure	<u>---</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>---</u> Mins.
E Second Initial Flow Pressure	<u>---</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>---</u> Mins.
F Second Final Flow Pressure	<u>---</u> P.S.I.			
G Final Closed-in Pressure	<u>---</u> P.S.I.			
H Final Hydrostatic Mud	<u>1952</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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>23</u>	<u>0</u>		<u>0</u>		<u>0</u>	
P 2 <u>5</u>	<u>23</u>	<u>3</u>		<u>5</u>		<u>3</u>	
P 3 <u>10</u>	<u>23</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4 <u>15</u>	<u>Flushed Tool</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5 <u>20</u>	<u>43</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6 <u>25</u>	<u>42</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7 <u>30</u>	<u>41</u>	<u>18</u>		<u>30</u>		<u>18</u>	
P 8 <u>35</u>		<u>21</u>		<u>35</u>		<u>21</u>	
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	
P10 <u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	
P11 <u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	