



# WESTERN TESTING CO., INC.

P.O. BOX 1599 — WICHITA, KANSAS 67201

WELL REPORT NO. 18432  
UNIT NO.  
DISTRICT

DATE 2/16/83

Robinson Oil Company  
300 West Douglas  
737 R. H. Garvey Building  
Wichita, Kansas 67202

FOR CUSTOMER'S USE ONLY

REGISTER NO.      VOUCHER NO.

TERMS APPROVED      PRICE APPROVED

CALCULATIONS CHECKED

ADJUSTMENTS

ACCOUNTING DISTRIBUTION

AUDITED      FINAL APPROVAL

YOUR ORDER NO.	OWNER	CONTRACTOR			
WELL NO.	FARM	COUNTY	SECTION	TWP	RANGE
#2	"B" Schrock	Harper County, Ks.	8	31S	5W

One drill stem test from 3490' to 3516' (Test #1) \$ 600.00

**POSTED**

DISCOUNT 6.00	1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID BY THE 20 <sup>TH</sup> OF THE FOLLOWING MONTH.	PLEASE INCLUDE OUR INVOICE NUMBER WITH YOUR REMITTANCE	INVOICE NUMBER 18432
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SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC. FORMATION TESTING

Call - OK No 18432

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

Elevation 1328 LB Formation K.C. Eff. Pay Ft.

District PRATT Date 2-16-83 Customer Order No. 300 West Douglas Robinson Oil Company 737 P.H. Garvey Bldg Wichita, Kansas 67202 LEASE AND WELL NO. Schrock B-1 COUNTY Harper STATE Kansas Sec. 8 Twp 31S Rge. 5W Mail Invoice To #2 "B" SCHROCK same Co. Name Address No. Copies Requested 69 Mail Charts To same Address No. Copies Requested 69

Formation Test No. 1 Interval Tested From 3490 ft. to 3516 ft. Total Depth 3516 ft. Packer Depth 3485 ft. Size 6 3/4 in. Packer Depth 3490 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Top Recorder Depth (Inside) 3493 ft. Recorder Number 2606 Cap. 4150 Bottom Recorder Depth (Outside) 3496 ft. Recorder Number 13267 Cap. 4050 Below Straddle Recorder Depth - ft. Recorder Number - Cap. - Drilling Contractor Sweetman Drilling Drill Collar Length 279 I. D. 2 1/4 in. Mud Type Starch Viscosity 40 Weight 9.1 Water Loss 8.0 cc. Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5/200 in. Jars: Make NO Serial Number - Anchor Length 26 ft. Size 5/200 in. Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7/8 in. Tool Joint Size 4 1/2 + H in.

Blow: fair blow decreasing to weak blow on initial flow Weak - flushed tool - weak building to strong Recovered 500 ft. of gas in pipe Recovered 62 ft. of gassy drilling mud Recovered 50 ft. of slightly oil cut gassy mud 30 to oil Recovered 120 ft. of oil cut gassy mud 20 to oil 40 to gas 100 to water Remarks: Hit bridge going into hole 310' off bottom 200 to mud tool plugged on initial flow + shut in Slid tool 10 ft to bottom

Time On Location 4:00 AM P.M. Time Pick Up Tool 4:30 AM P.M. Time Off Location 12:00 AM P.M. Time Set Packer(s) 6:00 AM P.M. Time Started Off Bottom 9:15 AM P.M. Maximum Temperature 130 F Initial Hydrostatic Pressure (A) 182.5 P.S.I. Initial Flow Period (B) 30 Minutes - Plugged (C) - P.S.I. Initial Closed In Period (D) 45 Minutes - P.S.I. Final Flow Period (E) 60 Minutes 135 P.S.I. to (F) 135 P.S.I. Final Closed In Period (G) 60 Minutes 114.7 P.S.I. Final Hydrostatic Pressure (H) 176.8 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 Robert E. McLann Signature of Customer or his authorized representative

Western Representative Rod Lint Thank you

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

Pressure Data

Date: 2-16 Test Ticket No. 18432  
 Recorder No. 2606 Capacity 4150 Location 3493 Ft  
 Clock No. --- Elevation 1328 KB Well Temperature 130 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1815</u> P.S.I.	<u>6:00 A</u> M	
B First Initial Flow Pressure	<u>104*</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>150*</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1274</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>166</u> P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>136</u> P.S.I.		
G Final Closed-in Pressure	<u>1155</u> P.S.I.		
H Final Hydrostatic Mud	<u>1756</u> P.S.I.		

\* Pressures questionable due to plugged tool.

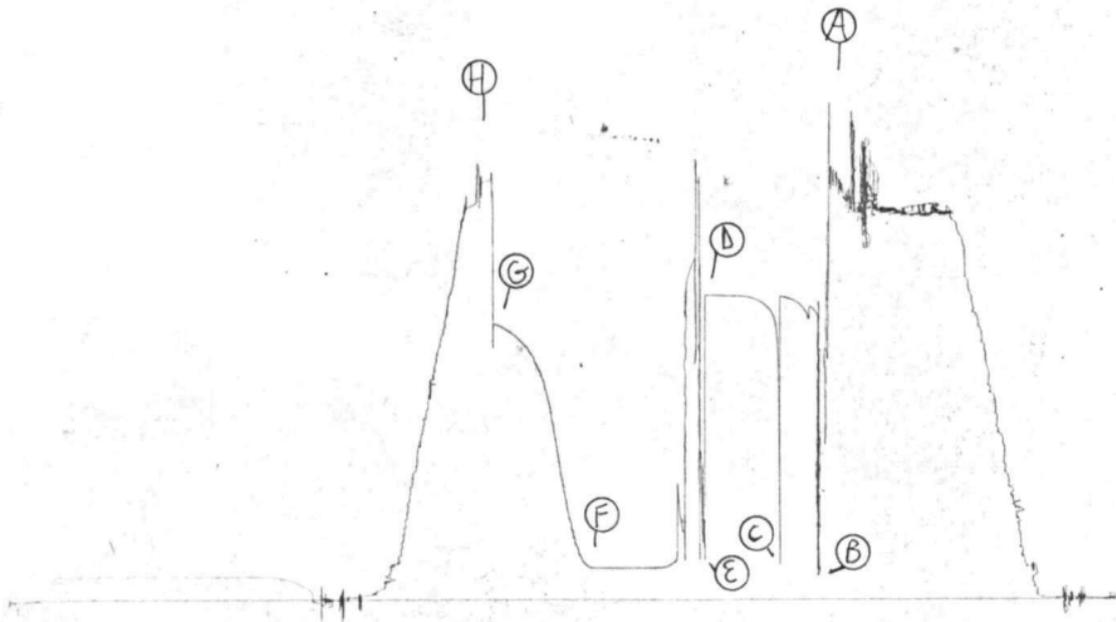
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>6</u> mins. and a final inc. of <u>0</u> Min.		of <u>15</u> mins. and a final inc. of <u>0</u> Min.		of <u>12</u> mins. and a final inc. of <u>0</u> Min.		of <u>21</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 0	<u>104*</u>	0	<u>150*</u>	0	<u>166</u>	0	<u>136</u>	
P 2 5	<u>1182*</u>	3	<u>1051</u>	5	<u>Flushed Tool</u>	3	<u>137</u>	
P 3 10	<u>1226*</u>	6	<u>1186</u>	10	<u>Flushed Tool</u>	6	<u>138</u>	
P 4 15	<u>1227*</u>	9	<u>1221</u>	15	<u>404*</u>	9	<u>152</u>	
P 5 20	<u>1253*</u>	12	<u>1240</u>	20	<u>149</u>	12	<u>182</u>	
P 6 25	<u>1265*</u>	15	<u>1254</u>	25	<u>137</u>	15	<u>239</u>	
P 7 30	<u>150*</u>	18	<u>1261</u>	30	<u>136</u>	18	<u>331</u>	
P 8 35		21	<u>1264</u>	35	<u>∩</u>	21	<u>429</u>	
P 9 40		24	<u>1267</u>	40	<u>∩</u>	24	<u>551</u>	
P10 45		27	<u>1269</u>	45	<u>136</u>	27	<u>680</u>	
P11 50		30	<u>1271</u>	50	<u>∩</u>	30	<u>784</u>	
P12 55		33	<u>1272</u>	55	<u>∩</u>	33	<u>877</u>	
P13 60		36	<u>1273</u>	60	<u>136</u>	36	<u>944</u>	
P14		39	<u>1274</u>	65		39	<u>989</u>	
P15		42	<u>1274</u>	70		42	<u>1030</u>	
P16		45	<u>1274</u>	75		45	<u>1059</u>	
P17		48		80		48	<u>1083</u>	
P18		51		85		51	<u>1106</u>	
P19		54		90		54	<u>1121</u>	
P20		57				57	<u>1135</u>	
		60				60	<u>1146</u>	
						63	<u>1155</u>	

2606 DST #1

TKT # 18432

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Company Robinson Oil Company Lease & Well No. #2 "B" Schrock  
 Elevation 1322 Kelly Bushing Formation Kansas City Effective Pay --- Ft. Ticket No. 18432  
 Date 2/16/83 Sec. 8 Twp. 31S Range 5W County Harper State Kansas  
 Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 3490 ft. to 3516 ft. Total Depth 3516 ft.  
 Packer Depth 3485 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.  
 Packer Depth 3490 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3493 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 3496 ft. Recorder Number 13267 Cap. 4050  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drlg. Drill Collar Length 279 I. D. 2 1/4 in.  
 Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3191 I. D. 3.8 in.  
 Chlorides --- P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 26 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 FH in.

Blow: Fair blow decreasing to weak blow on initial flow period. Very weak; flushed tool - weak building to strong on final flow

Recovered 500 ft. of gas in pipe  
 Recovered 62 ft. of gassy drilling mud  
 Recovered 62 ft. of slightly oil cut gassy mud 3%oil  
 Recovered 124 ft. of oil cut gassy mud 20% oil;40% gas;10% water;30% mud

Remarks: Hit bridge going into hole 310' of bottom; tool plugged on initial flow and shut-in. Slid tool ten feet to bottom.

Time Set Packer(s) 6:00 A.M. Time Started Off Bottom 9:15 A.M. Maximum Temperature 130°  
 Initial Hydrostatic Pressure (A) 1815 P.S.I.  
 Initial Flow Period Minutes 30 (B) 104 \* P.S.I. to (C) 150\* P.S.I.  
 Initial Closed In Period Minutes 45 (D) 1274 P.S.I.  
 Final Flow Period Minutes 60 (E) 166 P.S.I. to (F) 136 P.S.I.  
 Final Closed In Period Minutes 63 (G) 1155 P.S.I.  
 Final Hydrostatic Pressure (H) 1756 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 2/16/83 Test Ticket No. 18432  
 Recorder No. 2606 Capacity 4150 Location 3493 Ft.  
 Clock No. --- Elevation 1328 Kelly Bushing Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1815	P.S.I.	6:00A	M
B First Initial Flow Pressure	104 *	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	150 *	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1274	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	166	P.S.I.	60	Mins. 63 Mins.
F Second Final Flow Pressure	136	P.S.I.		
G Final Closed-in Pressure	1155	P.S.I.		
H Final Hydrostatic Mud	1756	P.S.I.		

\* PRESSURES QUESTIONABLE DUE TO PLUGGED TOOL

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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	104 *	0	150 *	0	166	0	136
P 2 5	1182*	3	1051	5	FLUSHED TOOL	3	137
P 3 10	1226*	6	1186	10	FLUSHED TOOL	6	138
P 4 15	1227*	9	1221	15	404 *	9	152
P 5 20	1253*	12	1240	20	149	12	182
P 6 25	1265*	15	1254	25	137	15	239
P 7 30	150 *	18	1261	30	136	18	331
P 8		21	1264	35	136	21	429
P 9		24	1267	40	136	24	551
P10		27	1269	45	136	27	680
P11		30	1271	50	136	30	784
P12		33	1272	55	136	33	877
P13		36	1273	60	136	36	944
P14		39	1274			39	989
P15		42	1274			42	1030
P16		45	1274			45	1059
P17						48	1083
P18						51	1106
P19						54	1121
P20						57	1135
						60	1146
						63	1155



# WESTERN TESTING CO., INC.

P.O. BOX 1599 - WICHITA, KANSAS 67201

DATE 2/17/83

Robinson Oil Company  
300 West Douglas,  
R. H. Garvey Building,  
Suite 737  
Wichita, Kansas 67202

WELL REPORT NO

UNIT NO

18433

DISTRICT

FOR CUSTOMER'S USE ONLY

REGISTER NO

VOUCHER NO

TERMS APPROVED

PRICE APPROVED

CALCULATIONS CHECKED

ADJUSTMENTS

ACCOUNTING DISTRIBUTION

AUDITED

FINAL APPROVAL

YOUR ORDER NO.	OWNER	CONTRACTOR			
WELL NO	FARM	COUNTY	SECTION	TWP	RANGE

#2

"B" Schrock

Harper County, Ks.

8

31S

6W

One drill stem test from 3610' to 3634' (Test #2) \$ 600.00

POSTED

DISCOUNT 6.00	1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID BY THE 20 <sup>TH</sup> OF THE FOLLOWING MONTH.	PLEASE INCLUDE OUR INVOICE NUMBER WITH YOUR REMITTANCE	INVOICE NUMBER 18433
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SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.  
FORMATION TESTING

OK

TICKET No 18433

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

Elevation 1328 KB Formation KC Eff. Pay \_\_\_\_\_ Ft.

District PRATT Date 2-17-83 Customer Order No. \_\_\_\_\_

COMPANY NAME Robinson Oil Company 300 W. Douglas

ADDRESS 737 R. H. Garvey Bldg Wichita, Kansas 67202

LEASE AND WELL NO. Schrock B-2 COUNTY HARPER STATE Kansas Sec. 8 Twp. 31S Rge. 5W

Mail Invoice To #2'B" SCHROCK Same No. Copies Requested 5

Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested 5

Mail Charts To Same Address \_\_\_\_\_ No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3610 ft. to 3634 ft. Total Depth 3634 ft.

Packer Depth 3605 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 3610 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3613 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 3616 ft. Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Sweetman Drilling Drill Collar Length 279 I. D. 2 1/4 in.

Mud Type Starch Viscosity 47 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 3311 I. D. 3.8 in.

Chlorides \_\_\_\_\_ P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make NO Serial Number \_\_\_\_\_ Anchor Length 24 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 in.

Blow: Strong blow in 8 minutes on initial flow period

Strong blow on final flow - No gas to surface

Recovered 310 ft. of sand in pipe

Recovered 60 ft. of slightly oil & gas cut mud

Recovered 124 ft. of oil & gas cut mud

Recovered 30 ft. of oil & gas cut water mud

Recovered 94 ft. of slightly oil & gas cut water 116,000

Remarks: \_\_\_\_\_

Time On Location 11:30 <sup>2-16</sup> A.M. Time Pick Up Tool 12:00 A.M. Time Off Location 7:00 A.M.

Time Set Packer(s) 1:30 P.M. Time Started Off Bottom 4:45 A.M. Maximum Temperature 128°

Initial Hydrostatic Pressure ..... (A) 1926 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 83 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1381 P.S.I.

Final Flow Period ..... Minutes 60 (E) 114 P.S.I. to (F) 116 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1381 P.S.I.

Final Hydrostatic Pressure ..... (H) 1777 P.S.I.

COMPANY TERMS

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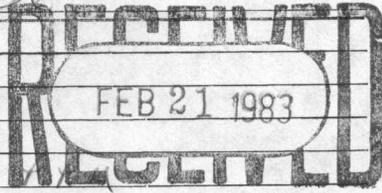
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert E. McCann  
Signature of Customer or his authorized representative

Western Representative Real Thank you  
Red Jutt

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: 2-17-82 Test Ticket No. 18433  
 Recorder No. 2606 Capacity 4150 Location 3613 Ft.  
 Clock No. --- Elevation 1328 RB Well Temperature 128 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1928</u>	P.S.I.	Open Tool	<u>1:30 A</u>	M
B First Initial Flow Pressure	<u>79</u>	P.S.I.	First Flow Pressure	<u>50</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>79</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1388</u>	P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>126</u>	P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>135</u>	P.S.I.			
G Final Closed-in Pressure	<u>1385</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1777</u>	P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

Final Shut-In  
 Breakdown: 21 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

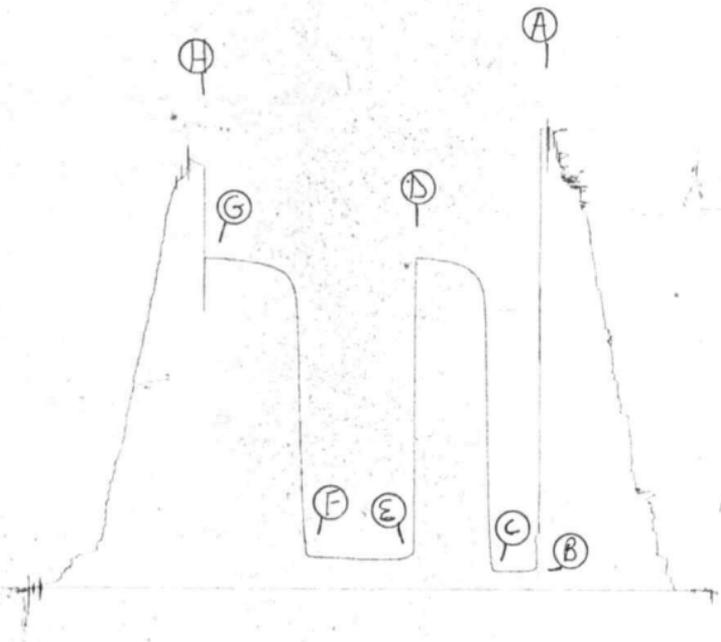
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>79</u>	0	<u>79</u>	0	<u>126</u>	0	<u>135</u>
P 2 5		3	<u>577</u>	5		3	<u>237</u>
P 3 10		6	<u>1180</u>	10		6	<u>641</u>
P 4 15		9	<u>1286</u>	15		9	<u>1182</u>
P 5 20		12	<u>1319</u>	20		12	<u>1284</u>
P 6 25	<u>79</u>	15	<u>1340</u>	25	<u>126</u>	15	<u>1313</u>
P 7 30		18	<u>1352</u>	30	<u>126</u>	18	<u>1328</u>
P 8 35		21	<u>1361</u>	35	<u>128</u>	21	<u>1339</u>
P 9 40		24	<u>1367</u>	40	<u>130</u>	24	<u>1349</u>
P10 45		27	<u>1372</u>	45	<u>132</u>	27	<u>1354</u>
P11 50		30	<u>1376</u>	50	<u>133</u>	30	<u>1360</u>
P12 55		33	<u>1380</u>	55	<u>134</u>	33	<u>1364</u>
P13 60		36	<u>1382</u>	60	<u>135</u>	36	<u>1368</u>
P14		39	<u>1384</u>	65		39	<u>1372</u>
P15		42	<u>1386</u>	70		42	<u>1375</u>
P16		45	<u>1388</u>	75		45	<u>1377</u>
P17		48		80		48	<u>1379</u>
P18		51		85		51	<u>1381</u>
P19		54		90		54	<u>1382</u>
P20		57				57	<u>1383</u>
		60				60	<u>1384</u>
						63	<u>1385</u>

2606

VST #2

TKT # 18433

I



Company Robinson Oil Company Lease & Well No. #2 "B" Schrock  
 Elevation 1328 Kelly Bushing Formation Kansas City Effective Pay --- Ft. Ticket No. 18433  
 Date 2/17/83 Sec. 8 Twp. 31S Range 5W County Harper State Kansas  
 Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 3610 ft. to 3634 ft. Total Depth 3634 ft.  
 Packer Depth 3605 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3610 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3613 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 3616 ft. Recorder Number 13267 Cap. 4050  
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drlg. Drill Collar Length 279 I. D. 2 1/4 in.  
 Mud Type starch Viscosity 47 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 3311 I. D. 3.8 in.  
 Chlorides = - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make = Serial Number = Anchor Length 24 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 FH in.

Blow: Strong blow in eight minutes on initial flow period. Strong blow on final flow - no gas to surface.

Recovered 310 ft. of gas in pipe  
 Recovered 60 ft. of slightly oil and gas cut mud  
 Recovered 124 ft. of oil and gas cut mud  
 Recovered 30 ft. of oil and gas cut watery mud  
 Recovered 94 ft. of slightly oil and gas cut muddy water Chlorides 116,000 ppm

Remarks: \_\_\_\_\_

Time Set Packer(s) 1:30 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 4:45 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 128°  
 Initial Hydrostatic Pressure ..... (A) 1928 P.S.I.  
 Initial Flow Period ..... Minutes 25 (B) 79 P.S.I. to (C) 79 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1388 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 126 P.S.I. to (F) 135 P.S.I.  
 Final Closed In Period ..... Minutes 63 (G) 1385 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1777 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 2/17/83

Recorder No. 2606

Capacity 4150

Test Ticket No. 18433

Clock No. ---- Elevation 1328 Kelly Bushing

Location 3613 Ft.

Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1928</u>	P.S.I.	<u>1:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>79</u>	P.S.I.	<u>30</u>	<u>Mins. 25</u> Mins.
C First Final Flow Pressure	<u>79</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u> Mins.
D Initial Closed-in Pressure	<u>1388</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u> Mins.
E Second Initial Flow Pressure	<u>126</u>	P.S.I.	<u>60</u>	<u>Mins. 63</u> Mins.
F Second Final Flow Pressure	<u>135</u>	P.S.I.		
G Final Closed-in Pressure	<u>1385</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1777</u>	P.S.I.		

### PRESSURE BREAKDOWN

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

**Initial Shut-In**  
Breakdown: 15 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

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

**Final Shut-In**  
Breakdown: 21 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>79</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>126</u>	<u>0</u>	<u>135</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>577</u>	<u>5</u>	<u>126</u>	<u>3</u>	<u>237</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>1180</u>	<u>10</u>	<u>126</u>	<u>6</u>	<u>641</u>
P 4 <u>15</u>	<u>79</u>	<u>9</u>	<u>1286</u>	<u>15</u>	<u>126</u>	<u>9</u>	<u>1182</u>
P 5 <u>20</u>	<u>79</u>	<u>12</u>	<u>1319</u>	<u>20</u>	<u>126</u>	<u>12</u>	<u>1284</u>
P 6 <u>25</u>	<u>79</u>	<u>15</u>	<u>1340</u>	<u>25</u>	<u>126</u>	<u>15</u>	<u>1313</u>
P 7 _____	_____	<u>18</u>	<u>1352</u>	<u>30</u>	<u>126</u>	<u>18</u>	<u>1328</u>
P 8 _____	_____	<u>21</u>	<u>1361</u>	<u>35</u>	<u>128</u>	<u>21</u>	<u>1339</u>
P 9 _____	_____	<u>24</u>	<u>1367</u>	<u>40</u>	<u>130</u>	<u>24</u>	<u>1349</u>
P10 _____	_____	<u>27</u>	<u>1372</u>	<u>45</u>	<u>132</u>	<u>27</u>	<u>1354</u>
P11 _____	_____	<u>30</u>	<u>1376</u>	<u>50</u>	<u>133</u>	<u>30</u>	<u>1360</u>
P12 _____	_____	<u>33</u>	<u>1380</u>	<u>55</u>	<u>134</u>	<u>33</u>	<u>1364</u>
P13 _____	_____	<u>36</u>	<u>1382</u>	<u>60</u>	<u>135</u>	<u>36</u>	<u>1368</u>
P14 _____	_____	<u>39</u>	<u>1384</u>	_____	_____	<u>39</u>	<u>1372</u>
P15 _____	_____	<u>42</u>	<u>1386</u>	_____	_____	<u>42</u>	<u>1375</u>
P16 _____	_____	<u>45</u>	<u>1388</u>	_____	_____	<u>45</u>	<u>1377</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>1379</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>1381</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1382</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1383</u>
						<u>60</u>	<u>1384</u>
						<u>63</u>	<u>1385</u>