



WESTERN TESTING CO., INC.
FORMATION TESTING

Rm 33 OK

TICKET No 3421

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

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

District Great Bend Date 1-7-85 Customer Order No. _____

COMPANY NAME R160 Robinson Oil Co.

ADDRESS 737 P.H. Garvey Bldg Wichita, Ks 67202-2992

LEASE AND WELL NO. #1 Oliver "C" COUNTY Harper STATE Ks. Sec. 5 Twp. 31s Rge. 5w

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name #1 "C" OLIVIER Address _____ No. Copies Requested 5

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. _____ Interval Tested From 3491 ft. to 3517 ft. Total Depth 3517 ft.

Packer Depth 3486 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3491 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3507 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 3510 ft. Recorder Number 3473 Cap. 4000

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

Drilling Contractor Sweetman Dels Drill Collar Length 270 I. D. 2.7 in.

Mud Type Starch Viscosity 42 Weight Pipe Length _____ I. D. _____ in.

Weight 9.5 Water Loss 10.0 cc. Drill Pipe Length 3200 I. D. 3.8 in.

Chlorides ? P.P.M. Test Tool Length 21 ft. Tool Size 5200 in.

Jars: Make _____ Serial Number _____ Anchor Length 26 ft. Size 5200 in.

Did Well Flow? YES Reversed Out YES Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Strong Gas To Surf In 5 min.
See Gas Flow Report. Flow Oil In 55 min. On 2nd opening.

Recovered 120 ft. of Muddy Oil Below Cir. Sub.

Recovered _____ ft. of _____ Gravity 42

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

Used Their Cir. Sub.

Time On Location 5:00 A.M. Time Pick Up Tool 6:45 A.M. Time Off Location 3:00 P.M.

Time Set Packer(s) 7:53 A.M. Time Started Off Bottom 11:40 A.M. Maximum Temperature 114

Initial Hydrostatic Pressure _____ (A) 1860 P.S.I.

Initial Flow Period _____ Minutes (B) 30 P.S.I. to (C) 474 P.S.I.

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

Final Flow Period _____ Minutes (E) 60 P.S.I. to (F) 889 P.S.I.

Final Closed In Period _____ Minutes (G) 75 P.S.I.

Final Hydrostatic Pressure _____ (H) 1860 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 [Signature]
Signature of Customer or his authorized representative

Western Representative Leni Worda Thank you 2375

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-7-85 Test Ticket No. 3421
 Recorder No. 1563 Capacity _____ Location _____ Ft
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1861</u> P.S.I.	_____ M		
B First Initial Flow Pressure	<u>232</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	_____ Mins.
C First Final Flow Pressure	<u>481</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	_____ Mins.
D Initial Closed-in Pressure	<u>1006</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	_____ Mins.
E Second Initial Flow Pressure	<u>623</u> P.S.I.	Final Closed-in Pressure	<u>75</u> Mins.	_____ Mins.
F Second Final Flow Pressure	<u>887</u> P.S.I.			
G Final Closed-in Pressure	<u>1010</u> P.S.I.			
H Final Hydrostatic Mud	<u>1861</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 7 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 21 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: 26 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>232</u>	0	<u>481</u>	0	<u>623</u>	0	<u>887</u>
P 2 5	<u>264</u>	3	<u>877</u>	5	<u>623</u>	3	<u>940</u>
P 3 10	<u>284</u>	6	<u>917</u>	10	<u>655</u>	6	<u>953</u>
P 4 15	<u>302</u>	9	<u>936</u>	15	<u>693</u>	9	<u>964</u>
P 5 20	<u>356</u>	12	<u>947</u>	20	<u>732</u>	12	<u>970</u>
P 6 25	<u>420</u>	15	<u>957</u>	25	<u>764</u>	15	<u>978</u>
P 7 30	<u>481</u>	18	<u>966</u>	30	<u>789</u>	(7) 18	<u>978</u>
P 8 35		21	<u>972</u>	35	<u>817</u>	21	<u>978</u>
P 9 40		24	977 <u>977</u>	40	<u>838</u>	24	<u>981</u>
P10 45		27	<u>981</u>	(10) 45	<u>857</u>	27	<u>981</u>
P11 50		(11) 30	<u>985</u>	50	<u>873</u>	(11) 30	<u>987</u>
P12 55		33	<u>988</u>	55	<u>887</u>	33	<u>989</u>
P13 60		36	<u>991</u>	60		36	<u>991</u>
P14		39	<u>994</u>	65		39	<u>993</u>
P15		42	<u>997</u>	70		42	<u>995</u>
P16		(12) 45	<u>999</u>	(14) 75		(12) 45	<u>998</u>
P17		48	<u>1001</u>	80		48	<u>999</u>
P18		51	<u>1003</u>	85		51	<u>1001</u>
P19		54	<u>1004</u>	(19) 90		54	<u>1003</u>
P20		57	<u>1005</u>			57	<u>1003</u>
		60	<u>1006</u>			(21) 60	<u>1006</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 3421
 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

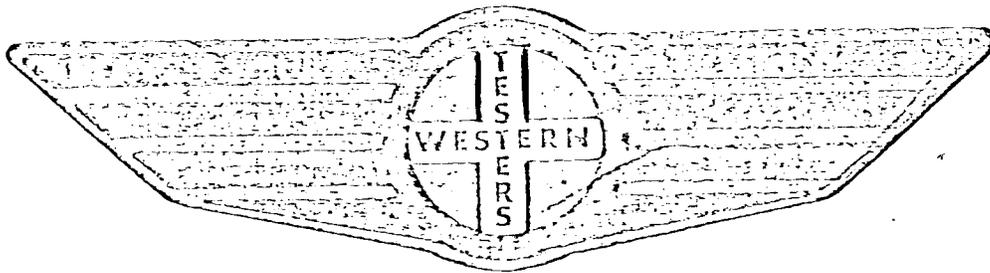
Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	_____	63	_____	22 63
P 2	_____	66	_____	23 66
P 3	_____	69	_____	24 69
P 4	_____	72	_____	25 72
P 5	_____	75	_____	26 75
P 6	_____	78	_____	27 78
P 7	_____	81	_____	28 81
P 8	_____	84	_____	29 84
P 9	_____	87	_____	30 87
P10	_____	90	_____	31 90
P11	_____	93	_____	32 93
P12	_____	96	_____	33 96
P13	_____	99	_____	34 99
P14	_____	102	_____	35 102
P15	_____	105	_____	36 105
P16	_____	108	_____	37 108
P17	_____	111	_____	38 111
P18	_____	114	_____	39 114
P19	_____	117	_____	40 117
P20	_____	120	_____	41 120

Press. 1007
1008
1009
1010
1010

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/7/85
CUSTOMER: ROBINSON OIL COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 1337 FORMATION: KANSAS CITY
SECTION: 5 TOWNSHIP: 31S
RANGE: 5W COUNTY: HARPER STATE: KANSAS
GAUGE SN #1563 RANGE: 4200 CLOCK: 12

TICKET #3421
LEASE: "C" OLIVIER
GEOLOGIST: SMITH

INTERVAL TEST FROM: 3491 FT TO: 3517 FT TOTAL DEPTH: 3517 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3486 FT SIZE: 6 5/8 IN PACKER DEPTH: 3491 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRLG
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 9.5 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? YES
DRILL COLLAR LENGTH: 270 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3200 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 26 FT SIZE: 5 1/2 OD IN
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: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 5 MINUTES. FLOWED
OIL IN 55 MINUTES ON FINAL FLOW.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 120 FT OF: MUDDY OIL BELOW CIRC. SUB.
RECOVERED: FT OF: (42 GRAVITY).
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: USED THEIR CIRC. SUB.

TIME SET PACKER(S): 7:53 AM TIME STARTED OFF BOTTOM: 11:40 AM
WELL TEMPERATURE: 114 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1861 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 232 PSI TO (C) 481 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1006 PSI
FINAL FLOW PERIOD MIN: 55 (E) 623 PSI TO (F) 887 PSI
FINAL CLOSED IN PERIOD MIN: 75 (G) 1010 PSI
FINAL HYDROSTATIC PRESSURE (H) 1861 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 1/7/85	TICKET #3421
CUSTOMER: ROBINSON OIL COMPANY	LEASE: "C" OLIVIER
WELL: 1	TEST: 1
ELEVATION (KB): 1337	FORMATION: KANSAS CITY
SECTION: 5	TOWNSHIP: 31S
RANGE: 5W	COUNTY: HARPER
GAUGE SN #1563	RANGE: 4200
	STATE: KANSAS
	CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

5	MERLA	1	12" WTR	89800 CFPD
15			17	106000
25			5	57700

SECOND FLOW

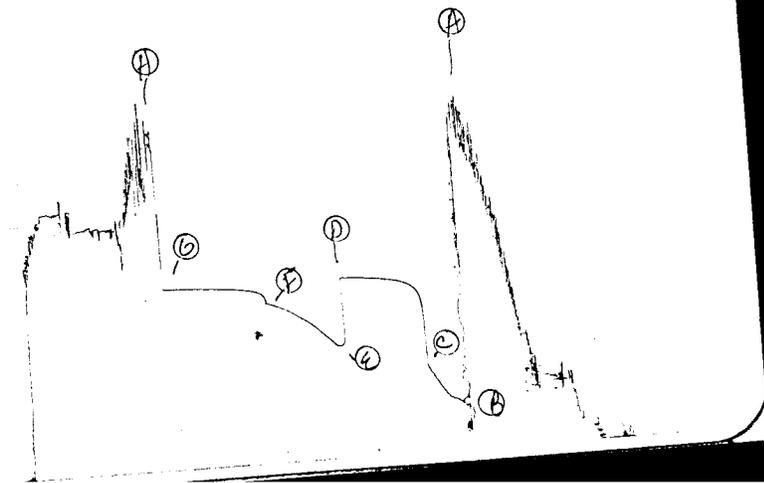
5	MERLA	1/4	4" WTR	3370 CFPD
15			5	3710
25			4	3370
35			5	3710
45			5	3710
55				OIL FLOWED.

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

Handwritten text: W # 3421

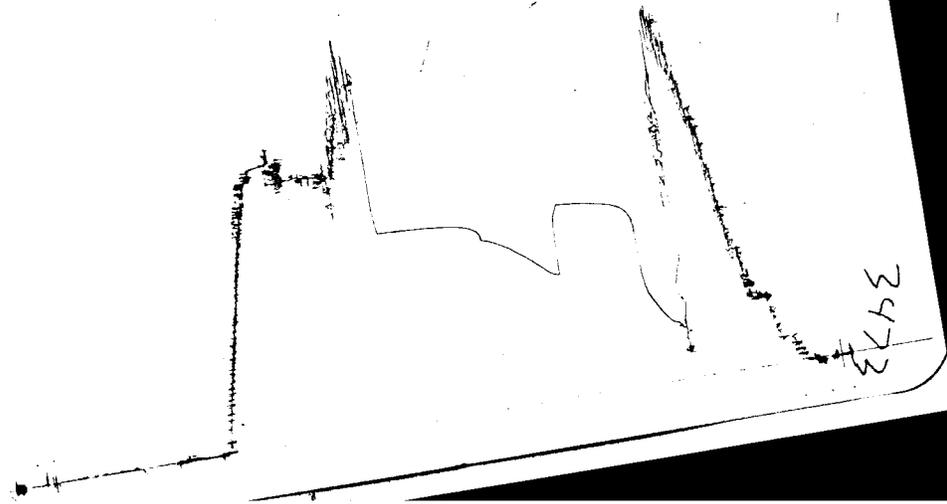
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Wt # 3421

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3423



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 3422

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

Elevation 1337 K.B. Formation Sweep Eff. Pay Ft.

District U Great Bend Date 1-8-85 Customer Order No.
COMPANY NAME Robinson Oil Co.
ADDRESS 737 R.H. Garvey Bldg., Wichita, Ks. 67202-2992
LEASE AND WELL NO. #1 Oliver "C" COUNTY Harper STATE Ks. Sec. 5 Twp. 31S Rge. 5W
Mail Invoice To Same As Above No. Copies Requested 5
Co. Name #1 "C" OLIVIER Address '' No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3617 ft. to 3632 ft. Total Depth 3632 ft.
Packer Depth 3612 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Packer Depth 3617 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Top Recorder Depth (Inside) 3622 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 3625 ft. * Recorder Number 3473 Cap. 4000
Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Sweetman Rig 1 Drill Collar Length 270 I. D. 2.7 in.
Mud Type Starch Viscosity 43 Weight Pipe Length I. D. in.
Weight 9.5 Water Loss ? cc. Drill Pipe Length 3326 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 21 ft. Tool Size 5 3/4 in.
Jars: Make Serial Number Anchor Length 15 ft. Size 5 3/4 in.
Did Well Flow? Reversed Out NO Surface Choke Size 3 1/2 in. Bottom Choke Size 3 1/2 in.
Main Hole Size 7 3/8 in. Tool Joint Size 4 1/2 x H in.

Blow: Weak, increased to fair in 15 min. on first F.P.
Fair throughout 2nd opening.

Recovered 120 ft. of Gas In Pipe
Recovered 120 ft. of Sli Oil + Gas Cut Mud (5% Oil) 95% Mud
Recovered 60 ft. of V. Sli Oil + Gas Cut Muddy Water (27% Oil 30% Mud 68% Water)
Recovered ft. of Chlorides 98,000 PPM
Chlorides P.P.M. Sample Jars used 2 Remarks:

PSJ From 3473

Time On Location 3:00 A.M. Time Pick Up Tool 3:15 P.M. Time Off Location 10:00 A.M.
Time Set Packer(s) 4:23 A.M. Time Started Off Bottom 7:40 A.M. Maximum Temperature 115
Initial Hydrostatic Pressure (A) 1995 P.S.I.
Initial Flow Period Minutes 30 (B) 51 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period Minutes 45 (D) 1365 P.S.I.
Final Flow Period Minutes 60 (E) 92 P.S.I. to (F) 112 P.S.I.
Final Closed In Period Minutes 60 (G) 1355 P.S.I.
Final Hydrostatic Pressure (H) 1985 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 [Signature]
Signature of Customer or his authorized representative

Western Representative [Signature] Thank you

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-8-85 Test Ticket No. 3422
 Recorder No. 3473 Capacity _____ Location _____ Ft
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1996</u> P.S.I.			
B First Initial Flow Pressure	<u>52</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	
C First Final Flow Pressure	<u>54</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	
D Initial Closed-in Pressure	<u>1370</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	
E Second Initial Flow Pressure	<u>92</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	
F Second Final Flow Pressure	<u>106</u> P.S.I.			
G Final Closed-in Pressure	<u>1355</u> P.S.I.			
H Final Hydrostatic Mud	<u>1980</u> P.S.I.			

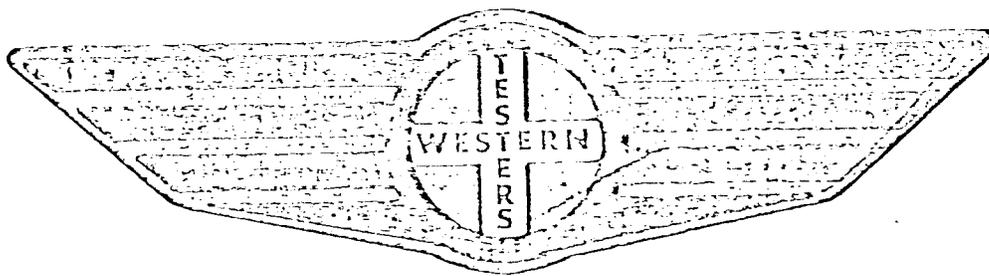
PRESSURE BREAKDOWN

First Flow Pressure Breakdown:		Initial Shut-In Breakdown:		Second Flow Pressure Breakdown:		Final Shut-In Breakdown:	
of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		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>52</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>106</u>
P 2 <u>5</u>	<u>1</u>	<u>3</u>	<u>158</u>	<u>5</u>	<u>1</u>	<u>3</u>	<u>200</u>
P 3 <u>10</u>	<u>1</u>	<u>6</u>	<u>717</u>	<u>10</u>	<u>1</u>	<u>6</u>	<u>596</u>
P 4 <u>15</u>	<u>52</u>	<u>9</u>	<u>1041</u>	<u>15</u>	<u>1</u>	<u>9</u>	<u>923</u>
P 5 <u>20</u>	<u>53</u>	<u>12</u>	<u>1146</u>	<u>20</u>	<u>92</u>	<u>12</u>	<u>1071</u>
P 6 <u>25</u>	<u>53</u>	<u>15</u>	<u>1211</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>1148</u>
P 7 <u>30</u>	<u>54</u>	<u>18</u>	<u>1252</u>	<u>30</u>	<u>94</u>	<u>(7) 18</u>	<u>1203</u>
P 8 <u>35</u>		<u>21</u>	<u>1283</u>	<u>35</u>	<u>96</u>	<u>21</u>	<u>1244</u>
P 9 <u>40</u>		<u>24</u>	<u>1307</u>	<u>40</u>	<u>99</u>	<u>24</u>	<u>1268</u>
P10 <u>45</u>		<u>27</u>	<u>1325</u>	<u>(10) 45</u>	<u>102</u>	<u>27</u>	<u>1283</u>
P11 <u>50</u>		<u>(11) 30</u>	<u>1339</u>	<u>50</u>	<u>104</u>	<u>(11) 30</u>	<u>1295</u>
P12 <u>55</u>		<u>33</u>	<u>1349</u>	<u>55</u>	<u>106</u>	<u>33</u>	<u>1305</u>
P13 <u>60</u>		<u>36</u>	<u>1356</u>	<u>60</u>		<u>36</u>	<u>1315</u>
P14		<u>39</u>	<u>1362</u>	<u>65</u>		<u>39</u>	<u>1322</u>
P15		<u>42</u>	<u>1368</u>	<u>70</u>		<u>42</u>	<u>1327</u>
P16		<u>(16) 45</u>	<u>1370</u>	<u>(14) 75</u>		<u>(14) 45</u>	<u>1332</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>1339</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1342</u>
P19		<u>54</u>		<u>(19) 90</u>		<u>54</u>	<u>1347</u>
P20		<u>57</u>				<u>57</u>	<u>1351</u>
		<u>60</u>				<u>(21) 60</u>	<u>1355</u>

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/8/85
CUSTOMER: ROBINSON OIL COMPANY
WELL: 1 TEST: 2
ELEVATION (KB): 1337 FORMATION: SWOPE
SECTION: 5 TOWNSHIP: 31S
RANGE: 5W COUNTY: HARPER STATE: KANSAS
GAUGE SN #3473 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 3617 FT TO: 3632 FT TOTAL DEPTH: 3632 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3612 FT SIZE: 6 5/8 IN Packer DEPTH: 3617 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRLG
MUD TYPE: STARCH VISCOSITY: 43
WEIGHT: 9.5 WATER LOSS (CC):
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT? NO
DRILL COLLAR LENGTH: 270 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3326 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 FT SIZE: 5 1/2 OD IN
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: INITIAL FLOW PERIOD WEAK BLOW INCREASED TO A
FAIR BLOW IN 15 MINUTES. FINAL
FLOW PERIOD FAIR BLOW THROUGHOUT.

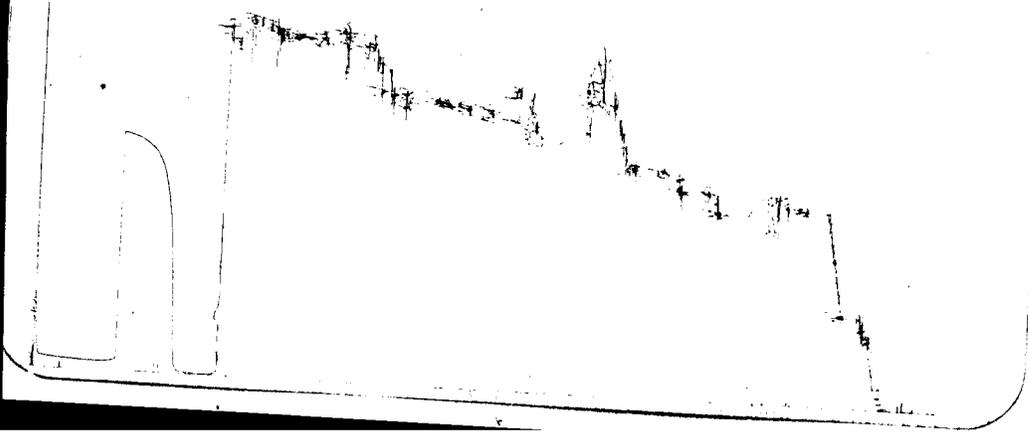
RECOVERED: 120 FT OF: GAS ABOVE FLUID.
RECOVERED: 120 FT OF: SLIGHTLY OIL & GAS CUT MUD (5% OIL; 95% MUD).
RECOVERED: 60 FT OF: VERY SLIGHTLY OIL & GAS CUT MUDDY WATER.
RECOVERED: FT OF: (2% OIL; 30% MUD; 68% WATER).
RECOVERED: FT OF: CHLORIDES 98000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: READ OUTSIDE CHART.

TIME SET PACKER(S): 4:23 AM TIME STARTED OFF BOTTOM: 7:40 AM
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1996 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 52 PSI TO (C) 54 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1370 PSI
FINAL FLOW PERIOD MIN: 55 (E) 92 PSI TO (F) 106 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1355 PSI
FINAL HYDROSTATIC PRESSURE (H) 1986 PSI

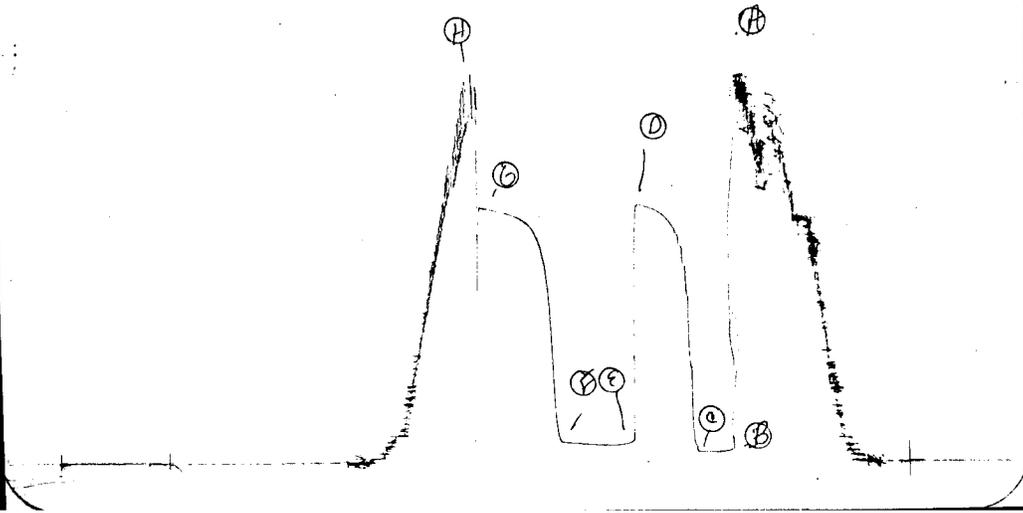
1543

St # 3422
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JK # 3422

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. **3423** OK

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

Elevation 1337 K.B. Formation K.C. Hertha Eff. Pay — Ft.

District Great Bend Date 1-8-85 Customer Order No. —

COMPANY NAME R100 Robinson Oil Co.

ADDRESS 737 R.H. Garvey Bldg., Wichita, Ks. 67202-2992

LEASE AND WELL NO. #1 Oliver "C" COUNTY Harper STATE Ks Sec. 5 Twp. 31s Rge. 5w

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name #1 "C" OLIVIER Address "

Mail Charts To " No. Copies Requested 5

Formation Test No. 3 Interval Tested From 3651 ft. to 3670 ft. Total Depth 3670 ft.

Packer Depth 3646 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3651 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3660 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 3663 ft. *Recorder Number 3473 Cap. 4000

Below Saddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Sweetman Drlg. Drill Collar Length 270 I. D. 2.7 in.

Mud Type Starch Viscosity 43 Weight Pipe Length — I. D. — in.

Weight 9.5 Water Loss ? cc. Drill Pipe Length 3360 I. D. 3.8 in.

Chlorides 2 P.P.M. Test Tool Length 21 ft. Tool Size 5 3/4 in.

Jars: Make — Serial Number — Anchor Length 19 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 H in.

Blow: Fair. Increased To Good By End Of First F.P. Good Throughout 2nd Opening.

Recovered 520 ft. of Gas In Pipe

Recovered 140 ft. of Sl. Oil + Gas Cut Mud (5% Oil 10% Water 85% Mud)

Recovered 60 ft. of Sl. Oil + Gas Cut Watery Mud (5% Oil 60% Water 35% Mud)

Recovered 60 ft. of Sl. Oil + Gas Cut Muddy Water (5% Oil 80% Water 15% Mud)

Recovered 240 ft. of Gassy Water Trace Of Oil

Chlorides — P.P.M. Sample Jars used 2 Remarks: Chlorides 148,000 PPM

PSI From 3473

Time On Location 3:00 ^{A.M.} P.M. Time Pick Up Tool 4:45 ^{A.M.} P.M. Time Off Location 12:00 ^{A.M.} P.M.

Time Set Packer(s) 5:53 ^{A.M.} P.M. Time Started Off Bottom 9:10 ^{A.M.} P.M. Maximum Temperature 121

Initial Hydrostatic Pressure (A) 2016 P.S.I.

Initial Flow Period (B) 92 P.S.I. to (C) 143 P.S.I.

Initial Closed In Period (D) 1528 P.S.I.

Final Flow Period (E) 194 P.S.I. to (F) 245 P.S.I.

Final Closed In Period (G) 1528 P.S.I.

Final Hydrostatic Pressure (H) 2016 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 [Signature]
Signature of Customer or his authorized representative

Western Representative Denis Wondra Thank you 2375

FIELD INVOICE

Open Hole Test	\$ <u>550.00</u>
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$

WESTERN TESTING CO., INC.

Pressure Data

Date: 1/8/85 Test Ticket No. 3423
 Recorder No. 3473 ~~1563~~ Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2000</u> P.S.I.	_____ M		
B First Initial Flow Pressure	<u>97</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	_____ Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	_____ Mins.
D Initial Closed-in Pressure	<u>1526</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	_____ Mins.
E Second Initial Flow Pressure	<u>194</u> P.S.I.	Final Closed-in Pressure	<u>1</u> Mins.	_____ Mins.
F Second Final Flow Pressure	<u>244</u> P.S.I.			
G Final Closed-in Pressure	<u>1530</u> P.S.I.			
H Final Hydrostatic Mud	<u>2000</u> P.S.I.			

PRESSURE BREAKDOWN

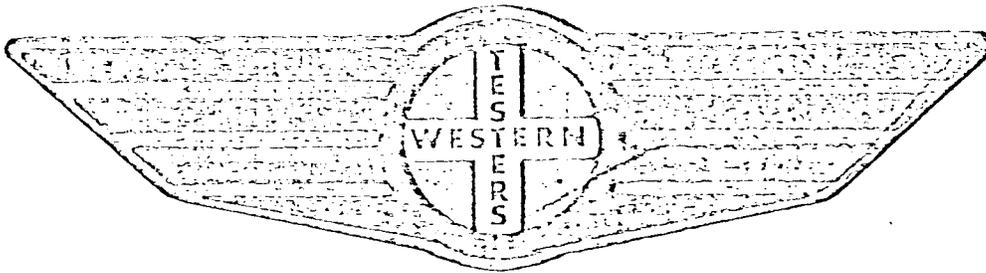
First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>97</u>	0	<u>140</u>	0	<u>194</u>	0	<u>244</u>
P 2 5	<u>98</u>	3	<u>279</u>	5	<u>1</u>	3	<u>530</u>
P 3 10	<u>113</u>	6	<u>539</u>	10	<u>194</u>	6	<u>741</u>
P 4 15	<u>124</u>	9	<u>738</u>	15	<u>196</u>	9	<u>929</u>
P 5 20	<u>135</u>	12	<u>1063</u>	20	<u>203</u>	12	<u>1128</u>
P 6 25	<u>140</u>	15	<u>1254</u>	25	<u>210</u>	15	<u>1280</u>
P 7 30		18	<u>1372</u>	30	<u>206</u>	(7) 18	<u>1369</u>
P 8 35		21	<u>1414</u>	35	<u>222</u>	21	<u>1425</u>
P 9 40		24	<u>1445</u>	40	<u>229</u>	24	<u>1455</u>
P10 45		27	<u>1467</u>	(10) 45	<u>236</u>	27	<u>1474</u>
P11 50		(11) 30	<u>1484</u>	50	<u>241</u>	(11) 30	<u>1481</u>
P12 55		33	<u>1494</u>	55	<u>244</u>	33	<u>1495</u>
P13 60		36	<u>1504</u>	60		36	<u>1502</u>
P14		39	<u>1514</u>	65		39	<u>1507</u>
P15		42	<u>1520</u>	70		42	<u>1512</u>
P16		(12) 45	<u>1523</u>	(14) 75		(14) 45	<u>1516</u>
P17		48	<u>1526</u>	80		48	<u>1519</u>
P18		51		85		51	<u>1522</u>
P19		54		(19) 90		54	<u>1525</u>
P20		57				57	<u>1528</u>
		60				(21) 60	<u>1530</u>

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company _____
MULTIPLY THE COSTANT _____
Lease and Well No. #1 _____
CULTIVAN _____
Sec. _____
LWP. 219 _____
KRE. 20 _____
EST. NO. 2 _____
DATE 1/10/02

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/8/85
CUSTOMER: ROBINSON OIL COMPANY
WELL: 1 TEST: 3
ELEVATION (KB): 1337 FORMATION: KANSAS CITY-HERTHA
SECTION: 5 TOWNSHIP: 31S
RANGE: 5W COUNTY: HARPER STATE: KANSAS
GAUGE SN #3473 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 3651 FT TO: 3670 FT TOTAL DEPTH: 3670 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3646 FT SIZE: 6 5/8 IN PACKER DEPTH: 3651 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRLG
MUD TYPE: STARCH VISCOSITY: 43
WEIGHT: 9.5 WATER LOSS (CC):
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 270 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3360 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 19 FT SIZE: 5 1/2 OD IN
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: INITIAL FLOW PERIOD FAIR BLOW
INCREASED TO A GOOD BLOW. FINAL
FLOW PERIOD GOOD BLOW THROUGHOUT.

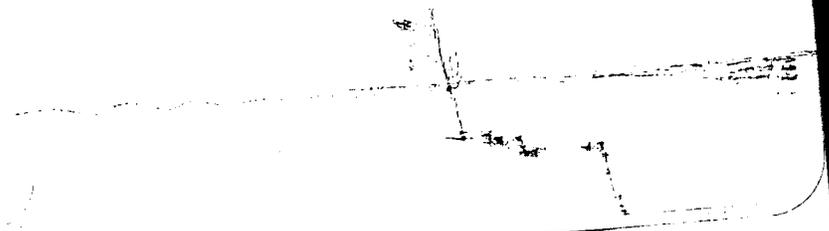
RECOVERED: 520 FT OF: GAS ABOVE FLUID.
RECOVERED: 140 FT OF: SLIGHTLY OIL & GAS CUT MUD.
RECOVERED: FT OF: (5% OIL; 10% WATER; 85% MUD).
RECOVERED: 60 FT OF: SLIGHTLY OIL & GAS CUT WATERY MUD.
RECOVERED: FT OF: (5% OIL; 60% WATER; 35% MUD).
RECOVERED: 60 FT OF: SLIGHTLY OIL & GAS CUT MUDDY WATER.
RECOVERED: FT OF: (5% OIL; 80% WATER; 15% MUD).
RECOVERED: 240 FT OF: GASSY WATER WITH A TRACE OF OIL.
RECOVERED: FT OF: CHLORIDES 148000 PPM.

REMARKS: READ OUTSIDE CHART.

TIME SET PACKER(S): 5:53 PM TIME STARTED OFF BOTTOM: 9:10 PM
WELL TEMPERATURE: 121 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2006 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 97 PSI TO (C) 140 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1526 PSI
FINAL FLOW PERIOD MIN: 55 (E) 194 PSI TO (F) 244 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1530 PSI
FINAL HYDROSTATIC PRESSURE (H) 2006 PSI

TKT # 3423

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TKT # 3423

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