



WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 10935

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1864 K.B Formation K.C. Eff. Pay. Ft.

WICHITA, KANSAS 67201

District Pratt Date 8/31/85 Customer Order No.

COMPANY NAME Robinson Oil Company

ADDRESS 300 W Douglas #287

LEASE AND WELL NO Hoover #1 COUNTY Pratt STATE Ks Sec 6 Twp 27 Rge 11W

Mail Invoice To Same #1 'A' Hoover No. Copies Requested 5

Co. Name Address

Mail Charts To Same No. Copies Requested 5

Address

Formation Test No. 1 Interval Tested From 3694 ft. to 3724 ft. Total Depth 3724 ft.

Packer Depth 3689 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3694 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3714 ft. Recorder Number 13552 Cap. 4050

Bottom Recorder Depth (Outside) 3717 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Sweetman Rig #1 Drill Collar Length 270 I. D. 2 1/4 in.

Mud Type Viscosity 41 Weight Pipe Length I. D. in.

Weight 9.1 Water Loss 55.0 cc. Drill Pipe Length 3403 I. D. 3 8 in.

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

Jars: Make - Serial Number - Anchor Length 30 ft. Size 5 1/2 in.

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

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

Blow: Weak increased to strong blow on first flow

Strong blow throughout second flow

Recovered 645 ft. of Gas in Pipe

Recovered 157 ft. of Oil & Water Cut Mud (15 to oil) (30 to water)

Recovered 398 ft. of Salt Water

Recovered ft. of

Recovered ft. of

Chlorides 91,000 P.P.M. Sample Jars used

Remarks:

Time On Location 3:00 A.M. Time Pick Up Tool 4:00 P.M. Time Off Location 12:30 P.M.

Time Set Packer(s) 5:25 A.M. Time Started Off Bottom 9:40 A.M. Maximum Temperature 121°

Initial Hydrostatic Pressure (A) 1993 P.S.I.

Initial Flow Period Minutes 45 (B) 132 P.S.I. to (C) 182 P.S.I.

Initial Closed In Period Minutes 60 (D) 1216 P.S.I.

Final Flow Period Minutes 60 (E) 243 P.S.I. to (F) 274 P.S.I.

Final Closed In Period Minutes 90 (G) 1186 P.S.I.

Final Hydrostatic Pressure (H) 1973 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 of Customer or his authorized representative

Western Representative Jim Ward Thank You

FIELD INVOICE

Open Hole Test \$ 550 -
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 8-31 Test Ticket No. 10935
 Recorder No. 13552 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1993</u> P.S.I.		
B First Initial Flow Pressure	<u>145</u> P.S.I.	<u>45</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>195</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1225</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>245</u> P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>278</u> P.S.I.		
G Final Closed-in Pressure	<u>1195</u> P.S.I.		
H Final Hydrostatic Mud	<u>1818</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>32</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>145</u>	0	<u>195</u>	0	<u>245</u>	0	<u>278</u>
P 2 5	<u>145</u>	3	<u>373</u>	5	<u> </u>	3	<u>512</u>
P 3 10	<u>153</u>	6	<u>856</u>	10	<u> </u>	6	<u>840</u>
P 4 15	<u>163</u>	9	<u>976</u>	15	<u>245</u>	9	<u>943</u>
P 5 20	<u>170</u>	12	<u>1021</u>	20	<u>247</u>	12	<u>982</u>
P 6 25	<u>178</u>	15	<u>1058</u>	25	<u>252</u>	15	<u>1009</u>
P 7 30	<u>184</u>	18	<u>1082</u>	30	<u>258</u>	18	<u>1029</u>
P 8 35	<u>191</u>	21	<u>1101</u>	35	<u>261</u>	21	<u>1047</u>
P 9 40	<u>195</u>	24	<u>1119</u>	40	<u>266</u>	24	<u>1062</u>
P10 45		27	<u>1136</u>	45	<u>271</u>	27	<u>1076</u>
P11 50		30	<u>1150</u>	50	<u>274</u>	30	<u>1088</u>
P12 55		33	<u>1162</u>	55	<u>278</u>	33	<u>1099</u>
P13 60		36	<u>1173</u>	60		36	<u>1109</u>
P14 65		39	<u>1183</u>	65		39	<u>1117</u>
P15 70		42	<u>1192</u>	70		42	<u>1123</u>
P16 75		45	<u>1200</u>	75		45	<u>1130</u>
P17 80		48	<u>1206</u>	80		48	<u>1136</u>
P18 85		51	<u>1212</u>	85		51	<u>1142</u>
P19 90		54	<u>1218</u>	90		54	<u>1148</u>
P20 95		57	<u>1222</u>	95		57	<u>1153</u>
100		60	<u>1225</u>	100		60	<u>1158</u>

cont

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 10935

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.		

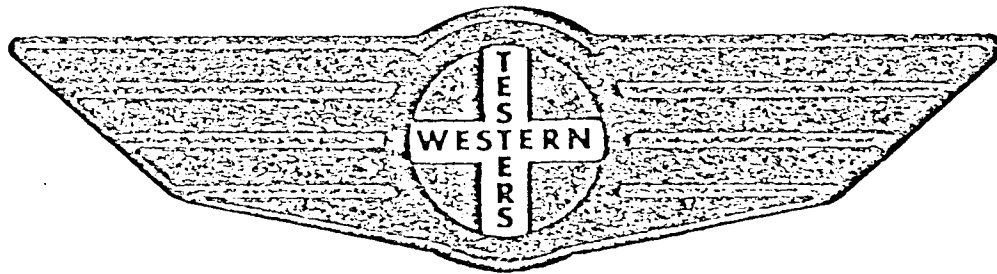
PRESSURE BREAKDOWN

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 1 105		63		105		63	<u>1162</u>
P 2 110		66		110		66	<u>1166</u>
P 3 115		69		115		69	<u>1170</u>
P 4 120		72		120		72	<u>1174</u>
P 5 125		75		125		75	<u>1178</u>
P 6 130		78		130		78	<u>1182</u>
P 7 135		81		135		81	<u>1185</u>
P 8 140		84		140		84	<u>1188</u>
P 9 145		87		145		87	<u>1191</u>
P10 150		90		150		90	<u>1193</u>
P11 155		93		155		93	<u>1195</u>
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

company ROBINSON OIL COMPANY

Lease & Well No. #1 "A" HOOVER

Sec. 6

Twp. 2/S

Rge. 11W

Test No. 1

Date 0/21/00

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-3-85
CUSTOMER: ROBINSON OIL COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 1864 FORMATION: KANSAS CITY
SECTION: 6 TOWNSHIP: 27S
RANGE: 11W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

TICKET #10935

LEASE: "A" HOOVER

GEOLOGIST: J.A. SMITH

FORMATION: KANSAS CITY

TOWNSHIP: 27S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 3694 FT TO: 3724 FT TOTAL DEPTH: 3724 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3689 FT SIZE: 6 5/8 IN PACKER DEPTH: 3694 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRLG. RIG 1

MUD TYPE: VISCOSITY: 41

WEIGHT: 9.1 WATER LOSS (CC): 55.0

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: 3403 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 30 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW

INCREASED TO STRONG BLOW.

FINAL FLOW PERIOD STRONG BLOW THROUGHOUT.

RECOVERED: 645 FT OF: GAS ABOVE FLUID.
RECOVERED: 157 FT OF: OIL & WATER CUT MUD (15% OIL; 37% WATER).
RECOVERED: 398 FT OF: SALT WATER.
RECOVERED: FT OF: CHLORIDES 91000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 5:25 AM

TIME STARTED OFF BOTTOM: 9:40 AM

WELL TEMPERATURE: 121 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1993 PSI

INITIAL FLOW PERIOD MIN: 40

(B) 145 PSI TO (C) 195 PSI

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1225 PSI

FINAL FLOW PERIOD MIN: 55

(E) 245 PSI TO (F) 278 PSI

FINAL CLOSED IN PERIOD MIN: 93

(G) 1195 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1818 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #10935

LEASE: 'A' HOOVER

GEOLOGIST: J.A. SMITH

FORMATION: KANSAS CITY

TOWNSHIP: 27S

COUNTY: PRATT

STATE: KANSAS

RANGE: 4050

CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1993	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	145	PSI
(C)	FIRST FINAL FLOW PRESSURE:	195	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1225	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	245	PSI
(F)	SECOND FINAL FLOW PRESSURE:	278	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1195	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1818	PSI
WELL TEMPERATURE:		121	'F

OPEN TOOL: 5:25 AM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	45 MIN	40 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	60 MIN	55 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	93 MIN

PRESSURE BREAKDOWN

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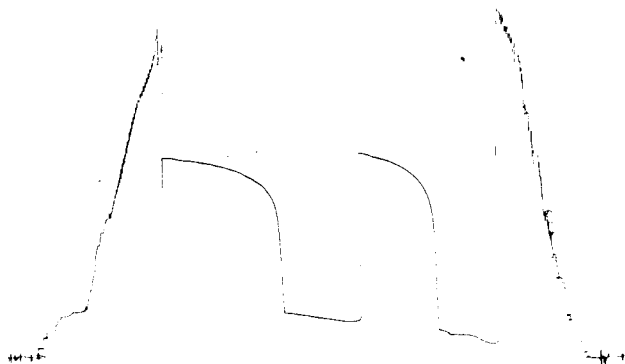
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TKT. # 10935.

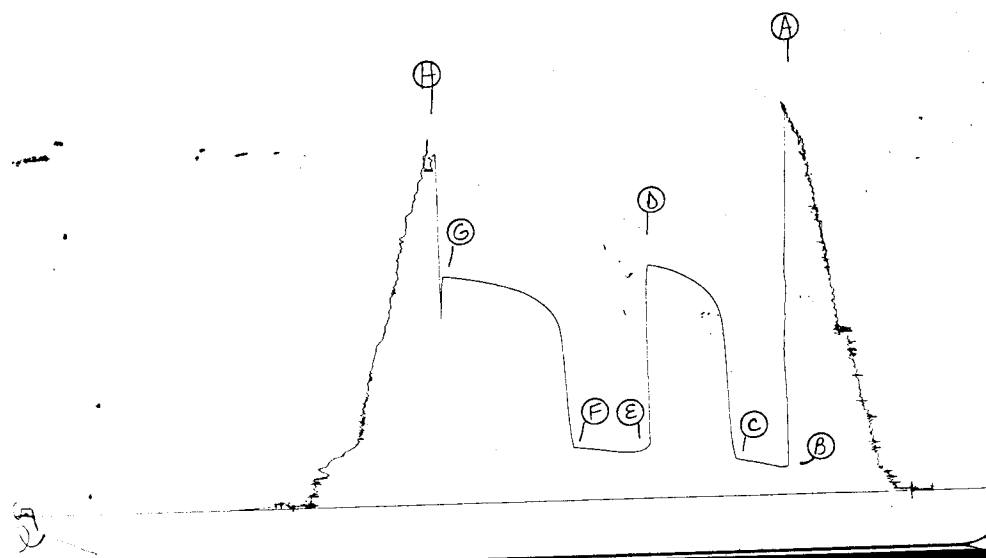
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TKT # 10935

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WESTERN TESTING CO., INC.
FORMATION TESTING

OK ✓

TICKET No 10936

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1864 K.B Formation K.C Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District Pratt Date 9/1/85 Customer Order No. _____

COMPANY NAME Robinson Oil Company

ADDRESS 300 W. Douglas Suite 737 Wichita, KS. 67202

LEASE AND WELL NO. Hoover #1 COUNTY Pratt STATE KS Sec. 6 Twp. 27 Rge. 11u

Mail Invoice To Same #1 "A" HOOVER Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3968 ft. to 4018 ft. Total Depth 4018 ft.

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

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

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3978 ft. Recorder Number 13552 Cap. 4050

Bottom Recorder Depth (Outside) 3981 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Sweetman Rig #1 Drill Collar Length 240 I. D. 2 1/4 in.

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

Weight 9.2 Water Loss 4.0 cc. Drill Pipe Length 3707 I. D. 3.8 in.

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

Jars: Make _____ Serial Number _____ Anchor Length 50 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

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

Blow: Weak blow throughout first flow

No blow on second flow

Recovered 70 ft. of Only Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

Time On Location 11:30 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location 7:00 P.M.

Time Set Packer(s) 1:35 P.M. Time Started Off Bottom 5:20 P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure _____ (A) 2024 P.S.I.

Initial Flow Period _____ Minutes 4.5 (B) 71 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1388 P.S.I.

Final Flow Period _____ Minutes 60 (E) 91 P.S.I. to (F) 91 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 1338 P.S.I.

Final Hydrostatic Pressure _____ (H) 2004 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 of Customer or his authorized representative

Western Representative _____

FIELD INVOICE

Open Hole Test \$ 1595.00
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 9-1

Test Ticket No. 10936

Recorder No. 13552

Capacity

Location

Clock No. Elevation

Well Temperature °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2130</u>	P.S.I.
B First Initial Flow Pressure	<u>66</u>	P.S.I.
C First Final Flow Pressure	<u>66</u>	P.S.I.
D Initial Closed-in Pressure	<u>1385</u>	P.S.I.
E Second Initial Flow Pressure	<u>93</u>	P.S.I.
F Second Final Flow Pressure	<u>95</u>	P.S.I.
G Final Closed-in Pressure	<u>1338</u>	P.S.I.
H Final Hydrostatic Mud	<u>1993</u>	P.S.I.

	Time Given	M	Time Computed
Open Tool	<u>45</u>	Mins.	<u>40</u> Mins.
First Flow Pressure	<u>60</u>	Mins.	<u>60</u> Mins.
Initial Closed-in Pressure	<u>60</u>	Mins.	<u>60</u> Mins.
Second Flow Pressure	<u>60</u>	Mins.	<u>60</u> Mins.
Final Closed-in Pressure	<u>60</u>	Mins.	<u>60</u> Mins.

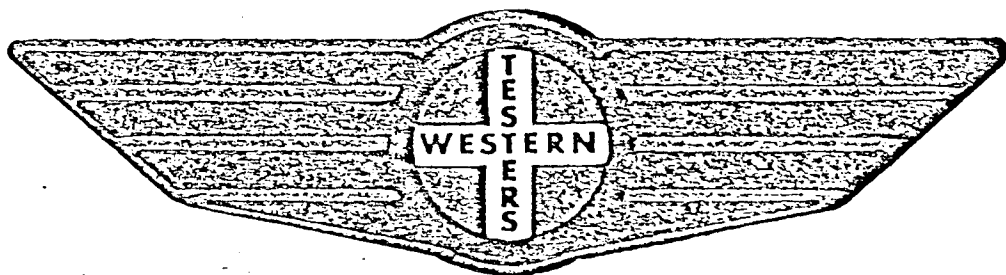
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>13</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	<u>66</u>	0	<u>66</u>	0	<u>93</u>	0	<u>95</u>
P 2 5		3	<u>71</u>	5		3	<u>100</u>
P 3 10		6	<u>94</u>	10		6	<u>115</u>
P 4 15		9	<u>171</u>	15		9	<u>193</u>
P 5 20		12	<u>295</u>	20		12	<u>297</u>
P 6 25		15	<u>488</u>	25		15	<u>443</u>
P 7 30		18	<u>666</u>	30		18	<u>597</u>
P 8 35		21	<u>824</u>	35		21	<u>737</u>
P 9 40	<u>66</u>	24	<u>957</u>	40	<u>93</u>	24	<u>856</u>
P10 45		27	<u>1049</u>	45	<u>94</u>	27	<u>949</u>
P11 50		30	<u>1119</u>	50	<u>94</u>	30	<u>1030</u>
P12 55		33	<u>1176</u>	55	<u>95</u>	33	<u>1089</u>
P13 60		36	<u>1223</u>	60	<u>95</u>	36	<u>1138</u>
P14 65		39	<u>1255</u>	65		39	<u>1176</u>
P15 70		42	<u>1286</u>	70		42	<u>1211</u>
P16 75		45	<u>1312</u>	75		45	<u>1238</u>
P17 80		48	<u>1332</u>	80		48	<u>1266</u>
P18 85		51	<u>1350</u>	85		51	<u>1283</u>
P19 90		54	<u>1367</u>	90		54	<u>1304</u>
P20 95		57	<u>1379</u>	95		57	<u>1319</u>
100		60	<u>1385</u>	100		60	<u>1338</u>

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

ANNUAL REPORT

Lease & Well No.

IT

A

LOCATION

Sec.

Twp.

Rge.

Test No.

DATE

2/1/00

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-1-85
CUSTOMER: ROBINSON OIL COMPANY
WELL: 1 TEST: 2
ELEVATION (KB): 1864 FORMATION: KANSAS CITY
SECTION: 6 TOWNSHIP: 27S
RANGE: 11W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 3968 FT TO: 4018 FT TOTAL DEPTH: 4018 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3963 FT SIZE: 6 5/8 IN PACKER DEPTH: 3968 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRLG. RIG 1
MUD TYPE: VISCOSITY: 43
WEIGHT: 9.2 WATER LOSS (CC): 40
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3707 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 50 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 70	FT	OF: DRILLING MUD.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 1:35 PM	TIME STARTED OFF BOTTOM: 5:20 PM
WELL TEMPERATURE: 122 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2130 PSI
INITIAL FLOW PERIOD MIN: 40	(B) 66 PSI TO (C) 66 PSI
INITIAL CLOSED IN PERIOD MIN: 60	(D) 1385 PSI
FINAL FLOW PERIOD MIN: 60	(E) 93 PSI TO (F) 95 PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 1338 PSI
FINAL HYDROSTATIC PRESSURE	(H) 1993 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 9-1-85	TICKET #10936
CUSTOMER: ROBINSON OIL COMPANY	LEASE: "A" HOOVER
WELL: 1	GEOLOGIST: J.A. SMITH
TEST: 2	
ELEVATION (KB): 1864	FORMATION: KANSAS CITY
SECTION: 6	TOWNSHIP: 27S
RANGE: 11W	COUNTY: PRATT
STATE: KANSAS	
GAUGE SN #13552	RANGE: 4050
CLOCK: 12	

(A)	INITIAL HYDROSTATIC PRESSURE:	2130	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	66	PSI
(C)	FIRST FINAL FLOW PRESSURE:	66	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1385	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	93	PSI
(F)	SECOND FINAL FLOW PRESSURE:	95	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1338	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1993	PSI
WELL TEMPERATURE:		122	'F

OPEN TOOL: 1:35 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	45 MIN	40 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	60 MIN	60 MIN
FINAL CLOSED-IN PRESSURE:	60 MIN	60 MIN

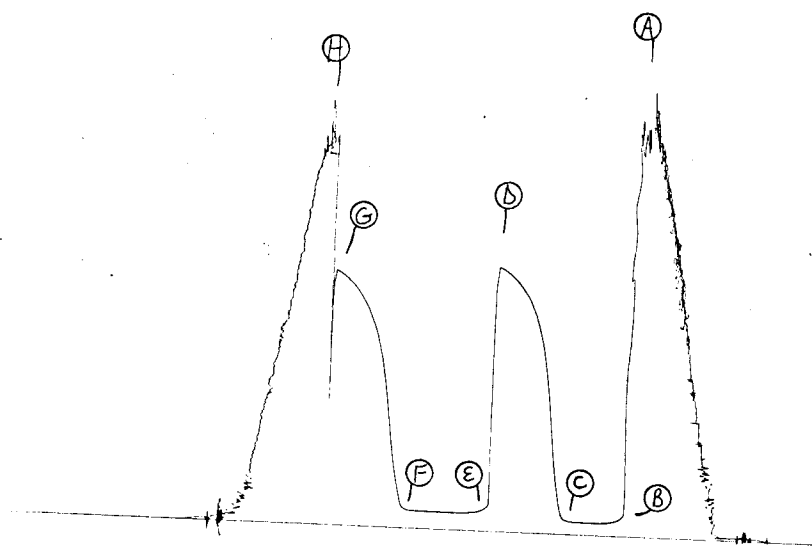
PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	66	0	66	0	93	0	95
2	5	66	3	71	5	93	3	100
3	10	66	6	94	10	93	6	115
4	15	66	9	171	15	93	9	193
5	20	66	12	295	20	93	12	297
6	25	66	15	488	25	93	15	443
7	30	66	18	666	30	93	18	597
8	35	66	21	824	35	93	21	737
9	40	66	24	957	40	93	24	856
10			27	1049	45	94	27	949
11			30	1119	50	94	30	1030
12			33	1176	55	95	33	1089
13			36	1223	60	95	36	1138
14			39	1255			39	1176
15			42	1286			42	1211
16			45	1312			45	1238
17			48	1332			48	1266
18			51	1350			51	1283
19			54	1367			54	1304
20			57	1379			57	1319
21			60	1385			60	1338

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 10937

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

Elevation 1864 K.B. Formation Miss Eff. Pay Ft.

R/60 District Pratt Date 9/2/85 Customer Order No.
COMPANY NAME Robinson Oil Company
ADDRESS 300 W. Douglas Suite 737 Wichita, KS 67202
LEASE AND WELL NO. Hoover #1 COUNTY Pratt STATE KS Sec. 6 Twp. 27 Rge. 11W
Mail Invoice To Same #1 "A" HOOVER No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 3 Interval Tested From 4129 ft. to 4160 ft. Total Depth 4160 ft.
Packer Depth 4129 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Packer Depth 4129 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4150 ft. Recorder Number 13552 Cap. 4050
Bottom Recorder Depth (Outside) 4153 ft. Recorder Number 3086 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Sweetman Rig #1 Drill Collar Length 270 I. D. 2 1/4 in.
Mud Type Viscosity 55 Weight Pipe Length - I. D. - in.
Weight 75 Water Loss 50 cc. Drill Pipe Length 3838 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 31 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 1/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow throughout flow periods

Recovered 150 ft. of Sl. Oil & Gas Cut Mud (2 To oil)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 6:30 A.M. Time Pick Up Tool 7:00 P.M. Time Off Location 3:30 P.M.
Time Set Packer(s) 8:40 A.M. Time Started Off Bottom 1:10 P.M. Maximum Temperature 127°
Initial Hydrostatic Pressure (A) 2196 P.S.I.
Initial Flow Period Minutes 60 (B) 91 P.S.I. to (C) 91 P.S.I.
Initial Closed In Period Minutes 60 (D) 548 P.S.I.
Final Flow Period Minutes 60 (E) 121 P.S.I. to (F) 121 P.S.I.
Final Closed In Period Minutes 90 (G) 720 P.S.I.
Final Hydrostatic Pressure (H) 2176 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 [Signature]

FIELD INVOICE

Open Hole Test \$ 595.00
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 9-2 Test Ticket No. 10937
 Recorder No. 13552 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2257</u>	P.S.I.
B First Initial Flow Pressure	<u>87</u>	P.S.I.
C First Final Flow Pressure	<u>89</u>	P.S.I.
D Initial Closed-in Pressure	<u>551</u>	P.S.I.
E Second Initial Flow Pressure	<u>124</u>	P.S.I.
F Second Final Flow Pressure	<u>126</u>	P.S.I.
G Final Closed-in Pressure	<u>722</u>	P.S.I.
H Final Hydrostatic Mud	<u>2212</u>	P.S.I.

	Time Given	Time Computed
Open Tool	<u>60</u> Mins.	<u>55</u> Mins.
First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
Final Closed-in Pressure		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 12 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: 13 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 31 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.
P 1 0	<u>87</u>
P 2 5	<u>(</u>
P 3 10	<u>(</u>
P 4 15	<u>(</u>
P 5 20	<u>(</u>
P 6 25	<u>(</u>
P 7 30	<u>87</u>
P 8 35	<u>(</u>
P 9 40	<u>(</u>
P10 45	<u>87</u>
P11 50	<u>88</u>
P12 55	<u>89</u>
P13 60	
P14 65	
P15 70	
P16 75	
P17 80	
P18 85	
P19 90	
P20 95	
100	

Point Minutes	Press.
0	<u>89</u>
3	<u>97</u>
6	<u>105</u>
9	<u>118</u>
12	<u>131</u>
15	<u>143</u>
18	<u>158</u>
21	<u>174</u>
24	<u>200</u>
27	<u>224</u>
30	<u>254</u>
33	<u>283</u>
36	<u>313</u>
39	<u>346</u>
42	<u>378</u>
45	<u>412</u>
48	<u>442</u>
51	<u>482</u>
54	<u>509</u>
57	<u>536</u>
60	<u>551</u>

Point Minutes	Press.
0	<u>124</u>
5	<u>(</u>
10	<u>(</u>
15	<u>(</u>
20	<u>(</u>
25	<u>(</u>
30	<u>(</u>
35	<u>(</u>
40	<u>(</u>
45	<u>124</u>
50	<u>125</u>
55	<u>125</u>
60	<u>126</u>
65	
70	
75	
80	
85	
90	
95	
100	

Point Minutes	Press.
0	<u>126</u>
3	<u>131</u>
6	<u>138</u>
9	<u>149</u>
12	<u>166</u>
15	<u>182</u>
18	<u>201</u>
21	<u>222</u>
24	<u>246</u>
27	<u>269</u>
30	<u>295</u>
33	<u>319</u>
36	<u>346</u>
39	<u>372</u>
42	<u>393</u>
45	<u>417</u>
48	<u>441</u>
51	<u>465</u>
54	<u>488</u>
57	<u>510</u>
60	<u>530</u>

cont

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 10937

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.			

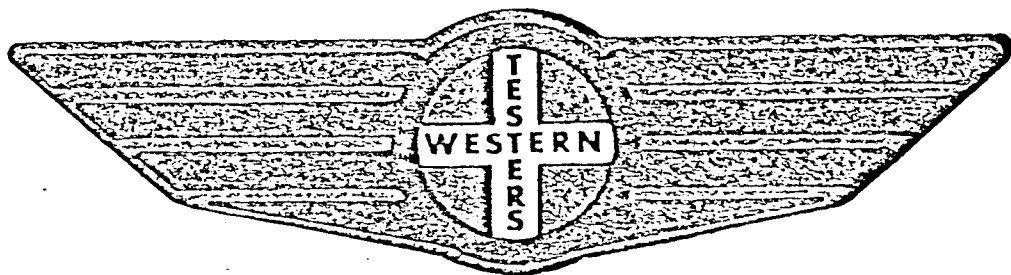
PRESSURE BREAKDOWN

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 1 105		63		105		63	<u>554</u>
P 2 110		66		110		66	<u>574</u>
P 3 115		69		115		69	<u>595</u>
P 4 120		72		120		72	<u>614</u>
P 5 125		75		125		75	<u>636</u>
P 6 130		78		130		78	<u>656</u>
P 7 135		81		135		81	<u>674</u>
P 8 140		84		140		84	<u>692</u>
P 9 145		87		145		87	<u>712</u>
P10 150		90		150		90	<u>722</u>
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company ROBINSON OIL COMPANY Lease & Well No. #1 "A" HOOVER Sec. 6 Twp. 41S Rge. 11W Test No. 3 Date 7/1/00

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-2-85 TICKET #10937
CUSTOMER: ROBINSON OIL COMPANY LEASE: "A" HOOVER
WELL: 1 TEST: 3 GEOLOGIST: J.A. SMITH
ELEVATION (KB): 1864 FORMATION: MISSISSIPPI
SECTION: 6 TOWNSHIP: 27S
RANGE: 11W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 4129 FT TO: 4160 FT TOTAL DEPTH: 4160 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4124 FT SIZE: 6 5/8 IN PACKER DEPTH: 4129 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRILL RIG 1
MUD TYPE: VISCOSITY:
WEIGHT: 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: 3838 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 31 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 150 FT OF: SLIGHTLY OIL & GAS CUT MUD (2% OIL).
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:40 AM TIME STARTED OFF BOTTOM: 1:10 PM
WELL TEMPERATURE: 127 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2257 PSI
INITIAL FLOW PERIOD MIN: 55 (B) 87 PSI TO (C) 89 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 551 PSI
FINAL FLOW PERIOD MIN: 60 (E) 124 PSI TO (F) 126 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 722 PSI
FINAL HYDROSTATIC PRESSURE (H) 2212 PSI

WESTERN TESTING CO. INC.

PRESSURE DATA

DATE: 9-2-85

CUSTOMER: ROBINSON OIL COMPANY

TEST: 3

FORMATION: MISSISSIPPI

TOWNSHIP: 27S

COUNTY: PRATT

RANGE: 4050

TICKET #10937

TICKET: 10557
LEASE: "A" HOOVER

GEOLOGIST: J.A. SMITH

MISSISSIPPI

27S

STATE: KANSAS

CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2257	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	87	PSI
(C)	FIRST FINAL FLOW PRESSURE:	89	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	551	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	124	PSI
(F)	SECOND FINAL FLOW PRESSURE:	126	PSI
(G)	FINAL CLOSED-IN PRESSURE:	722	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2212	PSI
	WELL TEMPERATURE:	127	'F

OPEN TOOL: 8:40 AM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	60 MIN	55 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	60 MIN	60 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

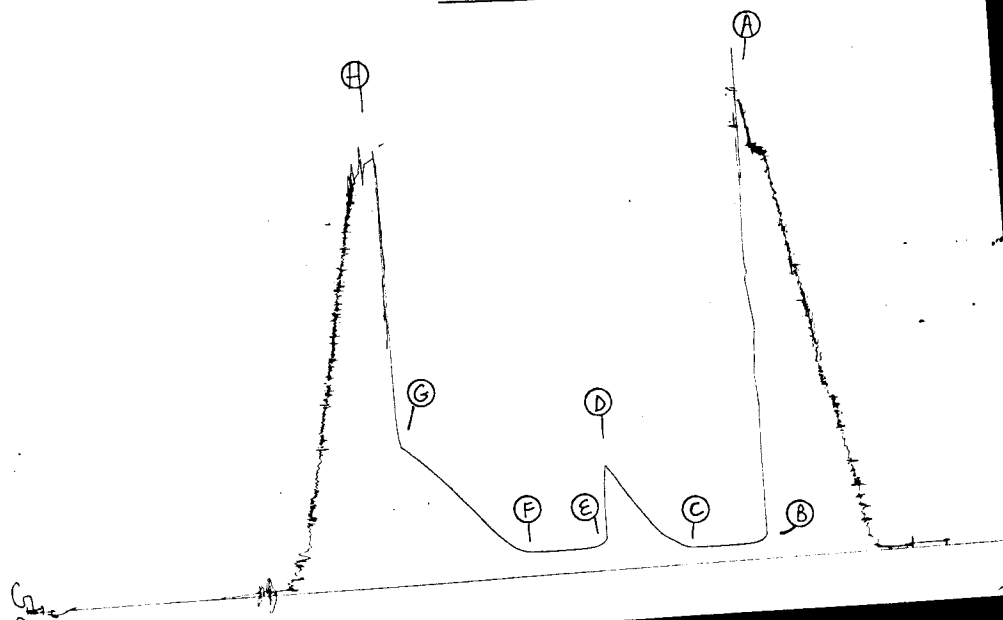
	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	87	0	89	0	124	0	126
2	5	87	3	97	5	124	3	131
3	10	87	6	105	10	124	6	138
4	15	87	9	118	15	124	9	149
5	20	87	12	131	20	124	12	166
6	25	87	15	143	25	124	15	182
7	30	87	18	158	30	124	18	201
8	35	87	21	174	35	124	21	222
9	40	87	24	200	40	124	24	246
10	45	87	27	224	45	124	27	269
11	50	88	30	254	50	125	30	295
12	55	89	33	283	55	125	33	319
13			36	313	60	126	36	346
14			39	346			39	372
15			42	378			42	393
16			45	412			45	417
17			48	442			48	441
18			51	482			51	465
19			54	509			54	488
20			57	536			57	510
21			60	551			60	530
22							63	554
23							66	574
24							69	595
25							72	614
26							75	636
27							78	656
28							81	674
29							84	692
30							87	712

PRESSURE BREAKDOWN - CONT. TICKET #10937

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	722
32								
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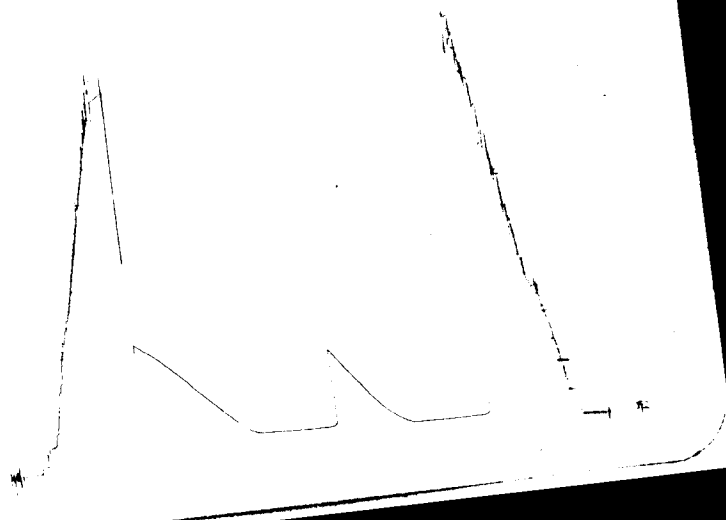
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