WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 5592

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation 1430 K.B. Formation Miss Eff. Pay Ft.

District PRATT Date 2-21-80 Customer Order No.

COMPANY NAME Robinson Oil Company

ADDRESS R.H. Garvey Building - 300 W. Douglas, Wichita, Ks. 67202

LEASE AND WELL NO. Achenbach B-1 COUNTY BARBER STATE Ks. Sec. 1 Twp 35S Rge 12W

Mail Invoice To SAME (Co. Name) Address No. Copies Requested Reg

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 4793 ft. to 4805 ft. Total Depth 4805 ft.

Packer Depth 4788 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4793 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4797 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 4800 ft. Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Sweetman Drlg. Inc.

Mud Type STARCH Viscosity 56

Weight 9.4 Water Loss 10.0 cc.

Chlorides P.P.M.

Jars: Make Serial Number

Did Well Flow? Reversed Out

Drill Collar Length 274 I. D. 2.2 in.

Weight Pipe Length I. D. in.

Drill Pipe Length 4491 I. D. 3.8 in.

Test Tool Length 28 ft. Tool Size 5½ O.D. in.

Anchor Length 12 ft. Size 5½ O.D. in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: STRONG - GAS TO SURFACE 5 MIN.
See Attached Gas Flow sheet

Recovered 806 ft. of GAS CUT OIL 30% Gas
Recovered ft. of 68% Oil
Recovered ft. of 1% WATER
Recovered ft. of 1% Mud
Recovered ft. of
Remarks:

Time Set Packer(s) 6:25 A.M. P.M. Time Started Off Bottom 10:40 A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure		(A) 2411	P.S.I.			
Initial Flow Period	Minutes 45	(B) 106	P.S.I. to	(C) 202	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1852	P.S.I.			
Final Flow Period	Minutes 60	(E) 223	P.S.I. to	(F) 277	P.S.I.	
Final Closed In Period	Minutes 90	(G) 1810	P.S.I.			
Final Hydrostatic Pressure		(H) 2390	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 Ray Goodin
Signature of Customer or his authorized representative

RECEIVED FEB 23 1980

Western Representative Dave Sloan

Thank you

FIELD INVOICE

Open Hole Test	$ V550.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
TOTAL	$ 550.00

Phone 316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 1920

Date 2-21-80 Ticket 5592 Company Robinson Oil Co.

Well Name and No. Achenbach B-1 Dst No. 1 Interval Tested 4793-4805

County BARBER State KS. Sec. 1 Twp. 35S Rg. 12W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW Gas To Surface 5 min.					
10	3 lbs	1"			242,000 C.F.P.D.
20	8 lbs	1"			415,000 C.F.P.D.
30	12	1"			526,000 C.F.P.D.
40	12	1"			526,000 C.F.P.D.
45	12	1"			526,000 C.F.P.D.
SECOND FLOW					
10	14 lbs	1"			577,000 C.F.P.D.
20	14	1"			627,000 C.F.P.D.
30	14	1"			627,000 C.F.P.D.
40	14	1"			577,000 C.F.P.D.
50	14	1"			577,000 C.F.P.D.
60	14	1"			577,000 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 2-21-80 Test Ticket No. 5592

Recorder No. 2605 Capacity 4150 Location 4797 Ft.

Clock No. Elevation 1430 KB Well Temperature 128 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2435 P.S.I.		Open Tool	6:25 A M	
B	First Initial Flow Pressure	112 P.S.I.		First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	216 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1866 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	228 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	275 P.S.I.				
G	Final Closed-in Pressure	1798 P.S.I.				
H	Final Hydrostatic Mud	2395 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	112
P 2 5	112
P 3 10	127
P 4 15	146
P 5 20	163
P 6 25	180
P 7 30	193
P 8 35	201
P 9 40	210
P10 45	216
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	216
3	539
6	1640
9	1232
12	1776
15	1797
18	1814
21	1826
24	1834
27	1841
30	1845
33	1848
36	1851
39	1853
42	1855
45	1857
48	1859
51	1861
54	1863
57	1865
60	1866

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

Point Minutes	Press.
0	228
5	228
10	231
15	235
20	241
25	246
30	250
35	255
40	260
45	266
50	269
55	272
60	275
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	275
3	583
6	1521
9	1615
12	1657
15	1686
18	1707
21	1722
24	1732
27	1740
30	1747
33	1752
36	1756
39	1760
42	1764
45	1768
48	1771
51	1774
54	1776
57	1778
60	1780

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Cont

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 5592

No. _____ Capacity _____ Location _____

o. _____ Elevation _____ Well Temperature _____

Pressure			Time Given	Time Computed
al Hydrostatic Mud	P.S.I.	Open Tool	M	
: Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mi
: Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mi
ial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mi
ond Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	M
ond Final Flow Pressure	P.S.I.			
al Closed-in Pressure	P.S.I.			
al 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 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Mir	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
		63				63	1782
		66				66	1784
		69				69	1786
		72				72	1788
		75				75	1790
		78				78	1792
		81				81	1794
		84				84	1795
		87				87	1796
		90				90	1797
		93				93	1798
		96				96	
		99				99	
		102				102	
		105				105	
		108				108	
		111				111	
		114				114	
		117				117	
		120				120	

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2604

Robinson Oil Co.
Achenbach B-1
DST 1

RH #5592
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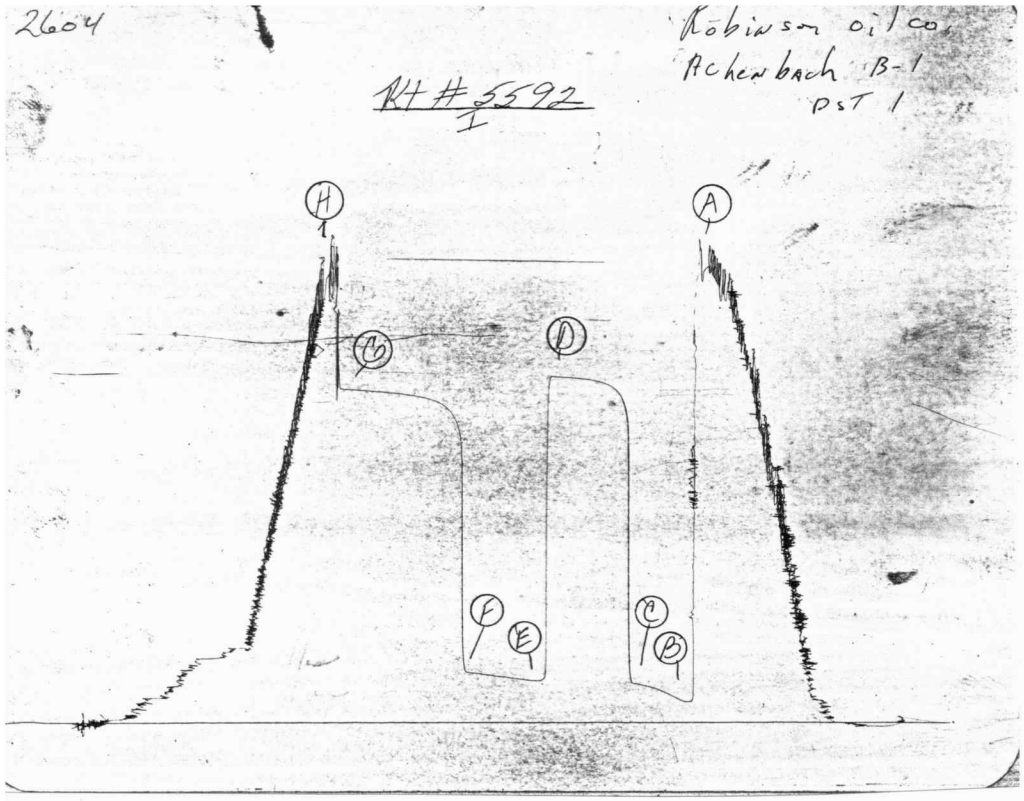

Company Robinson Oil Company — Lease & Well No. Achenbach "B"#1

Elevation 1430 Kelly Bushing — Formation Mississippi — Effective Pay --- Ft. — Ticket No. 5592

Date 2/21/80 — Sec. 1 — Twp. 35S — Range 12W — County Barber — State Kansas

Test Approved by Ray Goodin — Western Representative Dave Sloan

Formation Test No. 1 — Interval Tested from 4793 ft. to 4805 ft. — Total Depth 4805 ft.

Packer Depth 4788 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4793 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4797 ft. — Recorder Number 2605 — Cap. 4150

Bottom Recorder Depth (Outside) 4800 ft. — Recorder Number 6246 — Cap. 5200

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

Drilling Contractor Sweetman Drilling, Inc. — Drill Collar Length 274 — I. D. 2.2 in.

Mud Type starch — Viscosity 56 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss 10.0 cc. — Drill Pipe Length 4491 — I. D. 3.8 in.

Chlorides -- P.P.M. — Test Tool Length 28 ft. — Tool Size 5½OD in.

Jars: Make -- — Serial Number - — Anchor Length 12 ft. — Size 5½OD in.

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

Main Hole Size 7 7/8 in. — Tool Joint Size 4½XH in.

Blow: Strong. Gas to surface in five minutes. See attached sheet for gas measurements.

Recovered 806 ft. of gas cut oil — 30% Gas, 68% oil, 1% water, 1% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:25 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 10:40 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 128°

Initial Hydrostatic Pressure			(A)	2435	P.S.I.	
Initial Flow Period	Minutes	45	(B)	112 P.S.I.	to (C)	216 P.S.I.
Initial Closed In Period	Minutes	60	(D)	1866	P.S.I.	
Final Flow Period	Minutes	60	(E)	228 P.S.I.	to (F)	275 P.S.I.
Final Closed In Period	Minutes	93	(G)	1798	P.S.I.	
Final Hydrostatic Pressure			(H)	2395	P.S.I.	

WTC

GAS FLOW REPORT

Date 2/21/80 Ticket 5592 Company Robinson Oil Company

Well Name and No. Achenbach "B"#1 Dst No. 1 Interval Tested 4793'-4805'

County Barber State Kansas Sec. 1 Twp. 35S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface in five minutes. **PRE FLOW**						
	10 min.	3 lbs.				1" orifice 242,000 CFPD
	20 min.	8 lbs.				1" orifice 415,000 CFPD
	30 min.	12 lbs.				1" orifice 526,000 CFPD
	40 min.	12 lbs.				1" orifice 526,000 CFPD
	45 min.	12 lbs.				1" orifice 526,000 CFPD
SECOND FLOW						
	10 min.	14 lbs.				1" orifice 577,000 CFPD
	20 min.	16 lbs.				1" orifice 627,000 CFPD
	30 min.	16 lbs.				1" orifice 627,000 CFPD
	40 min.	14 lbs.				1" orifice 577,000 CFPD
	50 min.	14 lbs.				1" orifice 577,000 CFPD
	60 min.	14 lbs.				1" orifice 577,000 CFPD

GAS BOTTLE

Serial No. ------- Date Bottle Filled ------- Date to be Invoiced 2/21/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robinson Oil Company

Authorized by Ray Goodin

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 2/21/80 Test Ticket No. 5592

Recorder No. 2605 Capacity 4150 Location 4797 Ft.

Clock No. ------ Elevation 1430 Kelly Bushing Well Temperature 128 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2435	P.S.I.
B	First Initial Flow Pressure	112	P.S.I.
C	First Final Flow Pressure	216	P.S.I.
D	Initial Closed-in Pressure	1866	P.S.I.
E	Second Initial Flow Pressure	228	P.S.I.
F	Second Final Flow Pressure	275	P.S.I.
G	Final Closed-in Pressure	1798	P.S.I.
H	Final Hydrostatic Mud	2395	P.S.I.

	Time Given	Time Computed
Open Tool	6:25A M	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	90 Mins.	93 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	112
P 2 5	112
P 3 10	127
P 4 15	146
P 5 20	163
P 6 25	180
P 7 30	193
P 8 35	291
P 9 40	210
P10 45	216
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	216
3	539
6	1640
9	1732
12	1776
15	1797
18	1814
21	1826
24	1834
27	1841
30	1845
33	1848
36	1851
39	1853
42	1855
45	1857
48	1859
51	1561
54	1863
57	1865
60	1866

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

Point Minutes	Press.
0	228
5	228
10	231
15	235
20	241
25	246
30	250
35	255
40	260
45	266
50	269
55	272
60	275

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

Point Minutes	Press.
0	275
3	583
6	1521
9	1615
12	1657
15	1686
18	1707
21	1722
24	1732
27	1740
30	1747
33	1752
36	1756
39	1760
42	1764
45	1768
48	1771
51	1774
54	1776
57	1778
60	1780

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WESTERN TESTING CO., INC.

Pressure Data

Date 2/21/80 Test Ticket No. 5592

Recorder No. 2605 Capacity 4150 Location 4797 Ft.

Clock No. ------ Elevation 1430 Kelly Bushing Well Temperature 128 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2435 P.S.I.		Open Tool	6:25A M	
B	First Initial Flow Pressure	112 P.S.I.		First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	216 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1866 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	228 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	275 P.S.I.				
G	Final Closed-in Pressure	1798 P.S.I.				
H	Final Hydrostatic Mud	2395 P.S.I.				

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 20 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: 31 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						63	1782
P 2						66	1784
P 3						69	1786
P 4						72	1788
P 5						75	1790
P 6						78	1792
P 7						81	1794
P 8						84	1795
P 9						87	1796
P10						90	1797
P11						93	1798
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							