

15-185-20043



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Rains & Williamson Oil Company** Lease & Well No. **Love #1**
 Elevation **1955 Kelly Bushings** Formation **Kansas City** Effective Pay **-----** Ft. Ticket No. **6310**
 Date **Aug. 19, 1967** Sec. **31** Twp. **21s** Range **14w** County **Stafford** State **Kansas**
 Test Approved by **J. E. Jespersen** Western Representative **Guy M. Knipe**
 Formation Test No. **1** O.K. ☒ Misrun ☐ Interval Tested From **3554'** to **3570'** Total Depth **3570'**
 Size Main Hole **7 7/8** Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
 Packer Depth **3549** Ft. Size **6 3/4** Packer Depth **3554** Ft. Size **6 3/4**
 Straddle ☒ Yes ☐ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
 Tool Size **5 1/2 OD** Tool Jt. Size **4 1/2 FH** Anchor Length **16** Ft. Size **5 1/2 OD**
 RECORDERS Depth **3557** Ft. Clock No. **6806** Depth **3560** Ft. Clock No. **8476**
 Top Make **Kuster** Cap. **3150** No. **1562** Inside ☒ Outside ☐ Bottom Make **Kuster** Cap. **3150** No. **1563** Inside ☒ Outside ☐
 Below Straddle: Depth ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Clock No. ☐ Inside ☐ Outside ☐
 Top Make ☐ Cap. ☐ No. ☐ Outside ☐ Bottom Make ☐ Cap. ☐ No. ☐ Outside ☐
 Time Set Packer **7:34 A** M **7:35** **7:40** **5** **2 3** **21**
 Tool Open I.F.P. From **7:40** M. to **8:10** M. Hr. **30** Min. From (B) **21** P.S.I. To (C) **72** P.S.I.
 Tool Closed I.C.I.P. From **8:10** M. to **8:40** M. Hr. **30** Min. (D) **21** P.S.I.
 Tool Open F.F.P. From **8:40** M. to **9:10** M. Hr. **30** Min. From (E) **34** P.S.I. To (F) **1871** P.S.I.
 Tool Closed F.C.I.P. From **1896** M. to **1871** M. Hr. **30** Min. (G) **1871** P.S.I.
 Initial Hydrostatic Pressure (A) **1896** P.S.I. Final Hydrostatic Pressure (H) **1871** P.S.I.
 SURFACE Size Choke **3/4** In. Max. Press. P.S.I. Time Description of Flow
 INFORMATION ☐ M. ☐ M.

Weak blow for 5 minutes. Flushed tool 8:30, few bubbles, died.

3/4

BLOW ☒ Bottom Choke Size **15' drilling mud** In.
 Did Well Flow ☒ Yes ☐ No Recovery Total Ft. **15'**

Reversed Out ☒ Yes ☐ No Mud Type **starch** Viscosity **39** Weight **9.9** Water Loss **-----** cc. Maximum Temp. **109** °F
 EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **no** Jars: Size **no** Make **yes** Ser. No. **yes**
 Type Circ. Sub. **plug** Did Tool Plug? **no** Where? **2.7** Did Packer Hold? **yes**
 Length Drill Pipe **2453** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **1061** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **36** ft.
 I. D. Drill Collars **36** in. Length D.S.T. Tool **36** ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

August 19, 1967

Date _____ Recorder No. **1562** Capacity **3150** Test Ticket No. **6310**
 Clock No. **6806** Elevation _____ Location _____ 3557 Ft.
 Well Temperature **109** °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1896	P.S.I.	7:34 A	
B First Initial Flow Pressure	23	P.S.I.	5 Mins.	5 Mins.
C First Final Flow Pressure	21	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	72	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	21	P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	23	P.S.I.	30 Mins.	30 Mins.
G Final Closed-in Pressure	34	P.S.I.		
H Final Hydrostatic Mud	1871	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 5	22	3	26	5	21	3	25
P 2		6	37	10	21	6	27
P 3		9	42	15	21	9	29
P 4		12	47	20	23	12	30
P 5		15	53	25	23	15	31
P 6		18	58	30	23	18	31
P 7		21	62			21	32
P 8		24	65			24	33
P 9		27	69			27	34
P10		30	72			30	34
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Rains & Williamson Oil Co.
 Love #1

TKT-6310
 Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1896	PSI
(B) First Initial Flow Pressure	23	PSI
(C) First Final Flow Pressure	21	PSI
(D) Initial Closed-in Pressure	72	PSI
(E) Second Initial Flow Pressure	21	PSI
(F) Second Final Flow Pressure	23	PSI
(G) Final Closed-in Pressure	34	PSI
(H) Final Hydrostatic Mud	1871	PSI



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Rains & Williamson Oil Company

Love #1

Company **1955 Kelly Bushings** Formation **Kansas City** Lease & Well No. **-----** Ft. Ticket No. **6311**
Elevation **Aug. 19, 1967** Sec. **31** Twp. **21s** Range **14w** County **Stafford** State **Kansas**
Test Approved by **J. E. Jespersen** Western Representative **Guy M. Knipe**

Formation Test No. **2** O.K. ☒ Misrun ☐ Interval Tested From **3572'** to **3600'** Total Depth **3600'**
Size Main Hole **7 7/8** Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth **3567** Ft. Size **6 3/4** Packer Depth **3572** Ft. Size **6 3/4**
Straddle ☒ Yes ☐ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No

5 1/2 OD Packer Depth **4 1/2 FH** Ft. Size **28** **5 1/2 OD**
Tool Size **3592** Tool Jt. Size **6806** Anchor Length **3595** Ft. Size **8476**
RECORDERS Depth **3150** Ft. Clock No. **1562** Inside **Kuter** Depth **3150** Ft. Clock No. **8476** Inside **Kuter**
Top Make ☐ Cap. ☐ No. ☐ Bottom Make ☐ Cap. ☐ No. ☐
Below Straddle: Depth ☐ Clock No. ☐ Inside ☐ Outside ☐ Inside ☐ Outside ☐ Inside ☐ Outside
Top Make ☐ Cap. ☐ No. ☐ Bottom Make ☐ Cap. ☐ No. ☐

Time Set Packer **7:34 P** M
Tool Open I.F.P. From **7:35** M. to **7:40** M. Hr. **5** Min. From (B) **29** P.S.I. To (C) **69** P.S.I.
Tool Closed I.C.I.P. From **7:40** M. to **8:10** M. Hr. **30** Min. (D) **1014** P.S.I.
Tool Open F.F.P. From **8:10** M. to **9:10** M. Hr. **1** Min. From (E) **64** P.S.I. To (F) **250** P.S.I.
Tool Closed F.C.I.P. From **9:10** M. to **9:40** M. Hr. **30** Min. (G) **1003** P.S.I.
Initial Hydrostatic Pressure (A) **1882** P.S.I. Final Hydrostatic Pressure (H) **1865** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. Time Description of Flow
INFORMATION ☐ M. ☐ M. ☐ M.

BLOW **Weak, increased to good 7" blow.** Bottom Choke Size **3/4** In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. **390' total: 150' thin watery mud; 240' muddy water.**

Reversed Out ☒ Yes ☐ No Mud Type **starch** Viscosity **38** Weight **9.7** Water Loss **-----** cc. Maximum Temp. **112** °F
EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. **plug** Did Tool Plug? **no** Where? ☐ Did Packer Hold? **yes**
Length Drill Pipe **2471** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **1081** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D.S.T. Tool **48** ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date **August 19, 1967** Test Ticket No. **6311**
 Recorder No. **1562** Capacity **3150** Location **3592** Ft.
 Clock No. **6806** Elevation **1955 Kelly Bushings** Well Temperature **112** °F

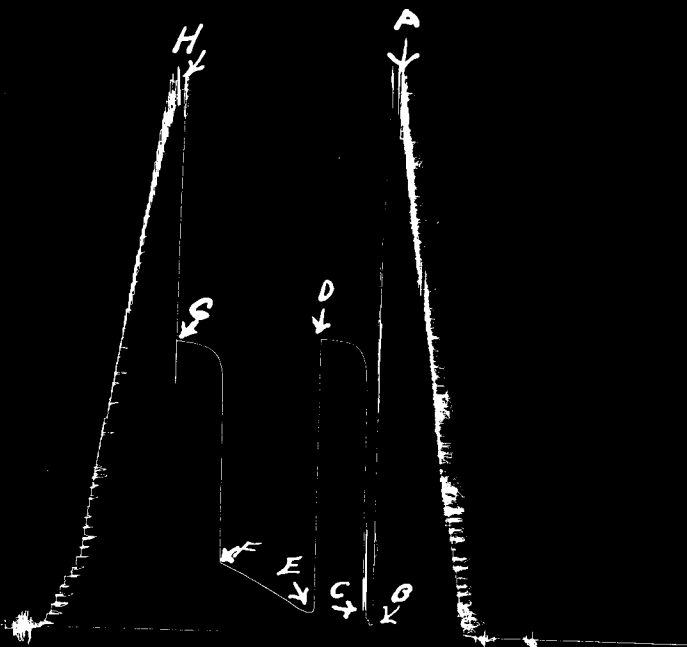
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1882 P.S.I.	Opened Tool	7:34 P	
B First Initial Flow Pressure	29 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	69 P.S.I.	Initial Closed-in Pressure	30 Mins.	29 Mins.
D Initial Closed-in Pressure	1014 P.S.I.	Second Flow Pressure	60 Mins.	59 Mins.
E Second Initial Flow Pressure	64 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	250 P.S.I.			
G Final Closed-in Pressure	1003 P.S.I.			
H Final Hydrostatic Mud	1865 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 9 Inc.		Breakdown: 11 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of ■ Min.		final inc. of 2 Min.		final inc. of 4 Min.		final inc. of ■ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	29	0	69	0	64	0	250
P 2 5	69	3	962	5	80	3	948
P 3		6	995	10	103	6	970
P 4		9	1003	15	120	9	979
P 5		12	1009	20	138	12	987
P 6		15	1010	25	155	15	992
P 7		18	1011	30	172	18	995
P 8		21	1011	35	188	21	998
P 9		24	1112	40	204	24	1000
P10		27	1013	45	217	27	1002
P11		29	1014	50	231	30	1003
P12				55	244		
P13				59	250		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Rains & Williamson Oil Co.
 Love #1

TKT-6311
 Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	1882 PSI
(B) First Initial Flow Pressure	29 PSI
(C) First Final Flow Pressure	69 PSI
(D) Initial Closed-in Pressure	1014 PSI
(E) Second Initial Flow Pressure	64 PSI
(F) Second Final Flow Pressure	250 PSI
(G) Final Closed-in Pressure	1003 PSI
(H) Final Hydrostatic Mud	1865 PSI