15-163-21690

32-10s-18w

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Peavey

Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 16980

Date 5/27/82 Sec. 32 Twp. 10S Range 18W County Rooks State Kansas

Test Approved by E. McNeil Western Representative Doug Clore

Formation Test No. 1 Interval Tested from 3428 ft. to 3470 ft. Total Depth 3470 ft.

Packer Depth 3425 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3428 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3457 ft. Recorder Number 4339 Cap. 4300

Bottom Recorder Depth (Outside) 3460 ft. Recorder Number 3473 Cap. 4000

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

Drilling Contractor Rains & Williamson Rig #1 Drill Collar Length 434 I. D. 2.2 in.

Mud Type Starch Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 2964 I. D. 3.8 in.

Chlorides 27,000 P.P.M. Test Tool Length 28 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 12365 Anchor Length 42 ft. Size 5½OD in.

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

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

Blow: Weak blow - died in 20 minutes on initial flow period. No blow, flushed tool on final flow period.

Recovered 10 ft. of mud Chlorides 30,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:00 ~~A.M.~~ P.M. Time Started Off Bottom 8:00 ~~A.M.~~ P.M. Maximum Temperature 112

Initial Hydrostatic Pressure (A) 1798 P.S.I.

Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 54 P.S.I.

Initial Closed In Period Minutes 27 (D) 230 P.S.I.

Final Flow Period Minutes 30 (E) 57 P.S.I. to (F) 64 P.S.I.

Final Closed In Period Minutes 33 (G) 182 P.S.I.

Final Hydrostatic Pressure (H) 1787 P.S.I.

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 5/27/82 Test Ticket No. 16980

Recorder No. 4339 Capacity 4300 Location 3457 Ft.

Clock No. - Elevation - Well Temperature 112 °F

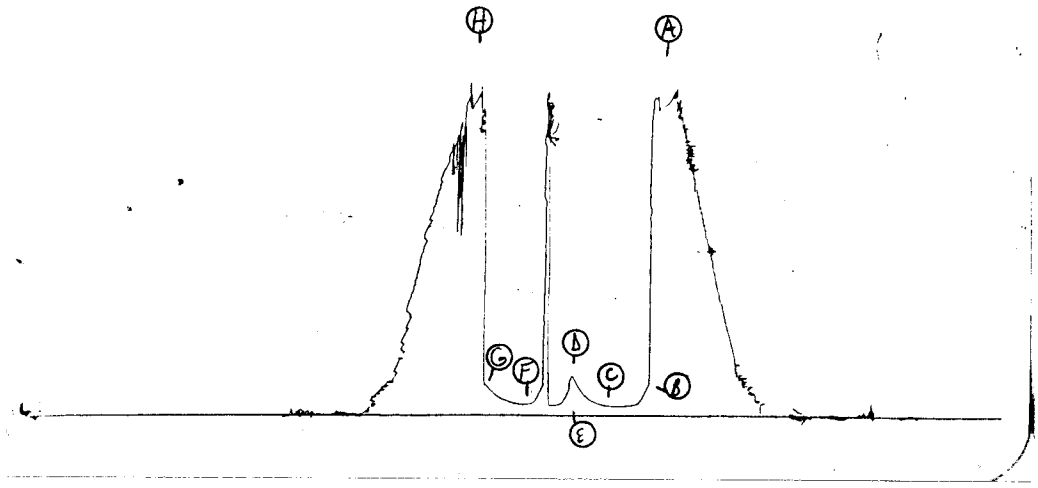
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1798 P.S.I.	Open Tool	6:00P M	
B First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	54 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	230 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure	30 Mins.	33 Mins.
F Second Final Flow Pressure	64 P.S.I.			
G Final Closed-in Pressure	182 P.S.I.			
H Final Hydrostatic Mud	1787 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 9 Inc.	Breakdown: 6 Inc.	Breakdown: 11 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 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	54	0	54	0	57	0	64
P 2 5	54	3	57	5	57	3	64
P 3 10	54	6	61	10	57	6	64
P 4 15	54	9	69	15	57	9	67
P 5 20	54	12	81	20	Flushed Tool	12	73
P 6 25	54	15	94	25	86	15	80
P 7 30	54	18	116	30	64	18	89
P 8		21	145			21	97
P 9		24	182			24	113
P10		27	230			27	134
P11						30	161
P12						33	182
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

4539 IKT # 16980 DST # 1
I RIW Oil
#1 Peavy



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1798	1798	PSI
(B)	First Initial Flow Pressure	68	54	PSI
(C)	First Final Flow Pressure	68	54	PSI
(D)	Initial Closed-in Pressure	238	230	PSI
(E)	Second Initial Flow Pressure	68	57	PSI
(F)	Second Final Flow Pressure	68	64	PSI
(G)	Final Closed-in Pressure	170	182	PSI
(H)	Final Hydrostatic Mud	1787	1787	PSI

NE SW SW

WESTERN

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Peavey

Elevation - Formation Conglomerate Effective Pay - Ft. Ticket No. 16981

Date 5/28/82 Sec. 32 Twp. 10S Range 18W County Rooks State Kansas

Test Approved by E. McNeil Western Representative Doug Clore

Formation Test No. 2 Interval Tested from 3480 ft. to 3550 ft. Total Depth 3550 ft.

Packer Depth 3475 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3480 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3537 ft. Recorder Number 4339 Cap. 4300

Bottom Recorder Depth (Outside) 3540 ft. Recorder Number 3473 Cap. 4000

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

Drilling Contractor Rains & Williamson Rig #1 Drill Collar Length 434 I. D. 2.2 in.

Mud Type Starch Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 3018 I. D. - in.

Chlorides 27,000 P.P.M. Test Tool Length 28 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 12365 Anchor Length 70 ft. Size 5½OD 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 4½FH in.

Blow: Weak blow died in 20 minutes on initial flow period. No blow, flushed tool on final flow period.

Recovered 62 ft. of mud Chlorides 30,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: connection upon reaching bottom was too high to put another joint on and too low to set slips. Necessitated pulling tool loose to put on another joint.

Time Set Packer(s) 12:30 ~~A.M.~~ P.M. Time Started Off Bottom 3:00 ~~A.M.~~ P.M. Maximum Temperature 114

Initial Hydrostatic Pressure (A) 1928 P.S.I.

Initial Flow Period Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.

Initial Closed In Period Minutes 45 (D) 732 P.S.I.

Final Flow Period Minutes 30 (E) 120 P.S.I. to (F) 93 P.S.I.

Final Closed In Period Minutes 48 (G) 609 P.S.I.

Final Hydrostatic Pressure (H) 1874 P.S.I.

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 5/28/82 Test Ticket No. 16981

Recorder No. 4339 Capacity 4300 Location 3537 Ft.

Clock No. - Elevation - Well Temperature 114 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1928 P.S.I.	Open Tool		12:30P M	
B	First Initial Flow Pressure	86 P.S.I.	First Flow Pressure		- Mins.	30 Mins.
C	First Final Flow Pressure	86 P.S.I.	Initial Closed-in Pressure		- Mins.	45 Mins.
D	Initial Closed-in Pressure	732 P.S.I.	Second Flow Pressure		- Mins.	30 Mins.
E	Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure		- Mins.	48 Mins.
F	Second Final Flow Pressure	93 P.S.I.				
G	Final Closed-in Pressure	609 P.S.I.				
H	Final Hydrostatic Mud	1874 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	86
P 2 5	86
P 3 10	86
P 4 15	86
P 5 20	86
P 6 25	86
P 7 30	86
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	86
3	120
6	180
9	250
12	316
15	377
18	430
21	480
24	522
27	560
30	600
33	632
36	661
39	688
42	714
45	732

Second Flow Pressure Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	120
5	120
10	150
15	100
20	95
25	93
30	93

Flushed Tool

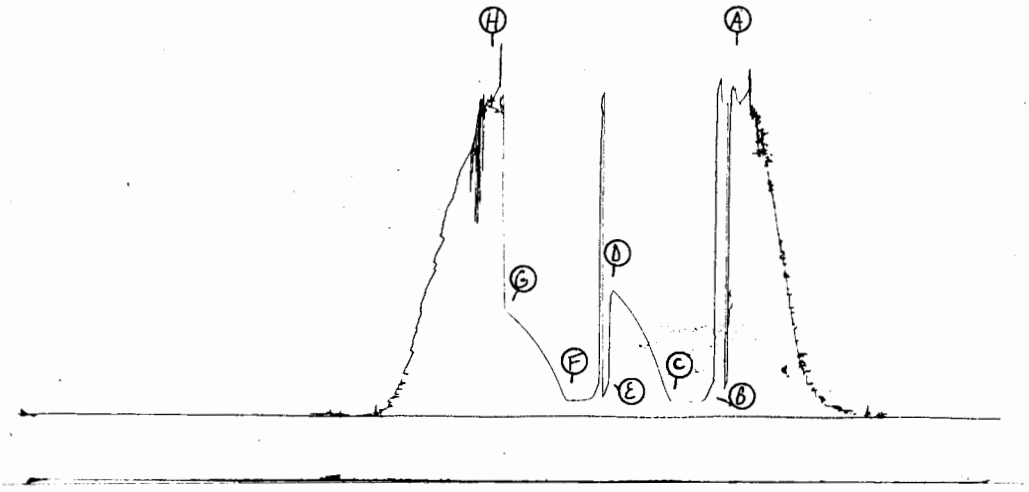
Final Shut-In Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	93
3	114
6	170
9	223
12	275
15	316
18	355
21	393
24	427
27	457
30	482
33	509
36	536
39	560
42	580
45	600
48	609

4337 DST #2

IKT #16981 R/W Oil

I #1 Peavy



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1928	1928	PSI
(B)	First Initial Flow Pressure	102	86	PSI
(C)	First Final Flow Pressure	102	86	PSI
(D)	Initial Closed-in Pressure	734	732	PSI
(E)	Second Initial Flow Pressure	102	120	PSI
(F)	Second Final Flow Pressure	102	93	PSI
(G)	Final Closed-in Pressure	611	609	PSI
(H)	Final Hydrostatic Mud	1863	1874	PSI