Company Raymond Oil Company, Inc. Lease & Well No. Robinson #1

Elevation 1300 Kelly Bushing Formation Stalnaker Effective Pay - Ft. Ticket No. 13103

Date 12/28/81 Sec. 33 Twp. 34S Range 6E County Cowley State Kansas

Test Approved by Timothy D. Hellman Western Representative Robert Davis

Formation Test No. 1 Interval Tested from 1731 ft. to 1758 ft. Total Depth 1758 ft.

Packer Depth 1731 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 1726 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1736 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 1740 ft. Recorder Number 13403 Cap. 4050

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

Drilling Contractor White &Ellis Drlg. Rig #4 Drill Collar Length 189 I. D. - in.

Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 8 cc. Drill Pipe Length 1555 I. D. - in.

Chlorides 1,600 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make None Serial Number - Anchor Length 27 ft. Size 5½ 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 4½XH in.

Blow: Strong initial flow period. Fair on final flow period.

Recovered 600 ft. of muddy salt water Chlorides 40,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:20 ~~A.M.~~ P.M. Time Started Off Bottom 10:50 ~~A.M.~~ P.M. Maximum Temperature 94°

Initial Hydrostatic Pressure			(A)	876	P.S.I.	
Initial Flow Period	Minutes	30	(B)	89	P.S.I. to (C)	181 P.S.I.
Initial Closed In Period	Minutes	45	(D)	542	P.S.I.	
Final Flow Period	Minutes	30	(E)	242	P.S.I. to (F)	278 P.S.I.
Final Closed In Period	Minutes	60	(G)	542	P.S.I.	
Final Hydrostatic Pressure			(H)	865	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 12/28/81 Test Ticket No. 13103

Recorder No. 11018 Capacity 4425 Location 1736 Ft.

Clock No. - Elevation 1300 Kelly Bushing Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	876 P.S.I.	Open Tool	8:20P M	
B First Initial Flow Pressure	89 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	181 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	542 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	242 P.S.I.	Final Closed-in Pressure	45 Mins.	60 Mins.
F Second Final Flow Pressure	278 P.S.I.			
G Final Closed-in Pressure	542 P.S.I.			
H Final Hydrostatic Mud	865 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	89
P 2 5	112
P 3 10	128
P 4 15	144
P 5 20	159
P 6 25	173
P 7 30	181
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	181
3	456
6	500
9	513
12	522
15	527
18	530
21	533
24	535
27	537
30	539
33	540
36	541
39	542
42	542
45	542

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

Point Minutes	Press.
0	242
5	242
10	244
15	252
20	260
25	270
30	278

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

Point Minutes	Press.
0	278
3	471
6	502
9	518
12	526
15	531
18	533
21	535
24	536
27	537
30	538
33	539
36	540
39	541
42	542
45	542
48	542
51	542
54	542
57	542
60	542

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