Company Prairie Oil, Inc. Lease & Well No. Buchele #1

Elevation 1371 Kelly Bushing Formation Altamont Effective Pay -- Ft. Ticket No. 3221

Date 7/31/79 Sec. 19 Twp. 34S Range 7E County Cowley State Kansas

Test Approved by Patrick Baltlazor Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 2688' ft. to 2710' ft. Total Depth 2710' ft.

Packer Depth 2683 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2688 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2698 ft. Recorder Number 1558 Cap. 4200

Bottom Recorder Depth (Outside) 2701 ft. Recorder Number 1559 Cap. 4200

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

Drilling Contractor Edco Drilling Co. #6 Drill Collar Length 240 I. D. 2¼ in.

Mud Type chemical Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 10.4 cc. Drill Pipe Length 2428 I. D. 3.8 in.

Chlorides 2,400 P.P.M. Test Tool Length 42 ft. Tool Size 4½ in.

Jars: Make -- Serial Number -- Anchor Length 22 ft. Size 4½ 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 3½IF in.

Blow: Weak blow on initial flow period/weak blow decreasing to very weak blow on final flow period.

Recovered 200 ft. of gas in pipe

Recovered 100 ft. of oil cut mud with free oil on top of tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:45 A.M. P.M. Time Started Off Bottom 4:45 A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure (A) 1378 P.S.I.

Initial Flow Period Minutes 60 (B) 44 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period Minutes 60 (D) 120 P.S.I.

Final Flow Period Minutes 60 (E) 70 P.S.I. to (F) 55 P.S.I.

Final Closed In Period Minutes 78 (G) 137 P.S.I.

Final Hydrostatic Pressure (H) 1305 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7/31/79 Test Ticket No. 3221

Recorder No. 1558 Capacity 4200 Location 2698 Ft.

Clock No. -- Elevation 1371 Kelly Bushing Well Temperature 107 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1378	P.S.I.
B	First Initial Flow Pressure	44	P.S.I.
C	First Final Flow Pressure	42	P.S.I.
D	Initial Closed-in Pressure	120	P.S.I.
E	Second Initial Flow Pressure	70	P.S.I.
F	Second Final Flow Pressure	55	P.S.I.
G	Final Closed-in Pressure	137	P.S.I.
H	Final Hydrostatic Mud	1305	P.S.I.

	Time Given	Time Computed
Open Tool	12:45A M	
First Flow Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	78 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	44
P 2 5	40
P 3 10	36
P 4 15	34
P 5 20	34
P 6 25	34
P 7 30	36
P 8 35	36
P 9 40	36
P10 45	38
P11 50	39
P12 55	40
P13 60	42
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	42
3	42
6	46
9	48
12	50
15	57
18	65
21	72
24	78
27	82
30	89
33	92
36	95
39	98
42	102
45	105
48	108
51	111
54	114
57	117
60	120

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

Point Minutes	Press.
0	70
5	67
10	57
15	55
20	55
25	55
30	55
35	55
40	55
45	55
50	55
55	55
60	55

Final Shut-In
Breakdown: 26 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	55
3	53
6	53
9	53
12	53
15	53
18	55
21	57
24	63
27	67
30	77
33	79
36	86
39	92
42	97
45	101
48	105
51	109
54	113
57	117
60	120

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WESTERN TESTING CO., INC.
Pressure Data

Date 7/31/79 Test Ticket No. 3221

Recorder No. 1558 Capacity 4200 Location 2698 Ft.

Clock No. -- Elevation 1371 Kelly Bushing Well Temperature 107 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1378	P.S.I.
B	First Initial Flow Pressure	44	P.S.I.
C	First Final Flow Pressure	42	P.S.I.
D	Initial Closed-in Pressure	120	P.S.I.
E	Second Initial Flow Pressure	70	P.S.I.
F	Second Final Flow Pressure	55	P.S.I.
G	Final Closed-in Pressure	137	P.S.I.
H	Final Hydrostatic Mud	1305	P.S.I.

	Time Given	Time Computed
Open Tool	12:45A M	
First Flow Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	78 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 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: 26 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	122
P 2						66	124
P 3						69	126
P 4						72	129
P 5						75	131
P 6						78	137
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1558

JKt # 3221
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