WESTERN TESTERS

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Company Prater, Inc. Lease & Well No. Probst #1

Elevation 1166 Kelly Bushing Formation Severy Effective Pay ------ Ft. Ticket No. 323

Date 8/17/78 Sec. 3 Twp. 35S Range 3E County Cowley State Kansas

Test Approved by Burt Schmidt Western Representative Tim Wilson

Formation Test No. 1 Interval Tested from 1399' ft. to 1410' ft. Total Depth 1410' ft.

Packer Depth 1399 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 1403 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 1406 ft. Recorder Number 1558 Cap. 4200

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

Drilling Contractor Blue Streak #1 Drill Collar Length -- I. D. -- in.

Mud Type chemical Viscosity 49 Weight Pipe Length 313 I. D. 2.7 in.

Weight 10.9 Water Loss 14.4 cc. Drill Pipe Length 1073 I. D. 3.8 in.

Chlorides 5,400 P.P.M. Test Tool Size 5½ in. Tool Joint Size 4½FH in.

Jars: Make -- Serial Number -- Anchor Length 11 ft. Size 5½ in.

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

Main Hole Size 7 7/8 in.

Blow: Very weak for eight minutes on initial flow peirod. Very strong throughout final flow period Gas to surface in 2 minutes on final flow period. After flushing tool. See attached sheet for gas measurements.

Recovered 10 ft. of gas cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Left gas sample bottle #625 with geologist.

Time Set Packer(s) 3:51 ~~A.M.~~ P.M. Time Started Off Bottom 6:01 ~~A.M.~~ P.M. Maximum Temperature 92

Initial Hydrostatic Pressure ..... (A) 814 P.S.I.

Initial Flow Period ..... Minutes 20 (B) 280 P.S.I. to (C) 473 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 471 P.S.I.

Final Flow Period ..... Minutes 90 (E) 188 P.S.I. to (F) 245 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 460 P.S.I.

Final Hydrostatic Pressure ..... (H) 780 P.S.I.

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 8/17/78 Ticket 323 Company Prater, Inc.

Well Name and No. Probst #1 Dst No. 1 Interval Tested 1399'-1410'

County Cowley State Kansas Sec. 3 Twp. 35S Rg. 3E

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
PRE FLOW						
4:51	5 min.	16 PSIG	1/2" orifice			153,000 CFPD
4:56	10 min.	15 PSIG	3/4" orifice			331,000 CFPD
5:01	15 min.	17 PSIG	3/4" orifice			357,000 CFPD
5:06	20 min.	19 PSIG	3/4" orifice			384,000 CFPD
5:11	25 min.	20.5 PSIG	3/4" orifice			403,000 CFPD
5:16	30 min.	22 PSIG	3/4" orifice			424,000 CFPD
SECOND FLOW						
5:21	35 min.	26 PSIG	3/4" orifice			473,000 CFPD
5:26	40 min.	28 PSIG	3/4" orifice			497,000 CFPD
5:31	45 min.	13.5 PSIG	1" orifice			564,000 CFPD
5:36	50 min.	13.5 PSIG	1" orifice			564,000 CFPD
5:41	55 min.	14. PSIG	1" orifice			577,000 CFPD
5:46	60 min.	14.5 PSIG	1" orifice			590,000 CFPD
5:51	65 min.	14.5 PSIG	1" orifice			590,000 CFPD
5:56	70 min.	14.5 PSIG	1" orifice			590,000 CFPD
6:01	75 min.	15 PSIG	1" orifice			603,000 CFPD
6:06	80 min.	15 PSIG	1" orifice			603,000 CFPD
6:11	85 min.	15 PSIG	1" orifice			603,000 CFPD
6:16	90 min.	15 PSIG	1" orifice			603,000 CFPD

GAS BOTTLE

Serial No. 625 Date Bottle Filled 8/17/78 Date to be Invoiced 8/17/78

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 Prater, Inc.

Authorized by Burt Schmidt

WESTERN TESTING CO., INC.
Pressure Data

Date 8/17/78 Test Ticket No. 323

Recorder No. 1559 Capacity 4200 Location 1403 Ft.

Clock No. -- Elevation 1160 Kelly Bushing Well Temperature 92 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	814 P.S.I.	Open Tool	3:51P M	
B First Initial Flow Pressure	280 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	473 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	471 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	188 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	245 P.S.I.			
G Final Closed-in Pressure	460 P.S.I.			
H Final Hydrostatic Mud	780 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	280
P 2 5	471
P 3 10	473
P 4 15	473
P 5 20	473
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	473
3	473
6	473
9	473
12	473
15	472
18	742
21	742
24	741
27	741
30	471

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	188
5	303
10	251
15	253
20	259
25	263
30	263
35	234
40	232
45	234
50	236
55	236
60	240
65	245
70	245
75	245
80	245
85	245
90	245

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

Point Minutes	Press.
0	245
3	439
6	448
9	454
12	458
15	460
18	460
21	460
24	460
27	460
30	460
33	460
36	460
39	460
42	460
45	460

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