Company Dieter Production Company — Lease & Well No. P.J.Jost #3

Elevation 3195 Kelly Bushing — Formation Mississippi — Effective Pay ---- Ft. — Ticket No. 2994

Date 12/13/79 — Sec. 22 — Twp. 19S — Range 2E — County Marion — State Kansas

Test Approved by Lee H. Cornell — Western Representative W. K. Hager

Formation Test No. 1 — Interval Tested from 2569 ft. to 2585 ft. — Total Depth 2585 ft.

Packer Depth 2564 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 2569 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2574 ft. — Recorder Number 1559 — Cap. 4200

Bottom Recorder Depth (Outside) 2577 ft. — Recorder Number 1558 — Cap. 4200

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

Drilling Contractor Kansas Drilling Co. #1 — Drill Collar Length 210 — I. D. 2¼ in.

Mud Type chemical — Viscosity 41 — Weight Pipe Length - — I. D. - in.

Weight 9.7 — Water Loss 16 cc. — Drill Pipe Length 2339 — I. D. 3.8 in.

Chlorides 1,700 P.P.M. — Test Tool Length 36 ft. — Tool Size 5½ in.

Jars: Make - — Serial Number - — Anchor Length 16 ft. — Size 5½ in.

Did Well Flow? gas — 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: Strong blow with gas to surface in five minutes on initial flow period. See attached sheet for gas measurements.

Recovered 210 ft. of muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool five feet to bottom

Time Set Packer(s) 10:35 ~~A.M.~~ P.M. — Time Started Off Bottom 12:35 A.M. ~~P.M.~~ — Maximum Temperature 106°

Initial Hydrostatic Pressure ..... (A) 1300 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 194 P.S.I. to (C) 157 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 625 P.S.I.

Final Flow Period ..... Minutes 15 (E) 196 P.S.I. to (F) 190 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 623 P.S.I.

Final Hydrostatic Pressure ..... (H) 1274 P.S.I.

WTC-1

GAS FLOW REPORT

Date 12/13/79 Ticket 2994 Company Dieter Production Company

Well Name and No. P. J. Jost #3 Dst No. 1 Interval Tested 2569'-2585'

County Marion State Kansas Sec. 22 Twp. 19S Rg. 2E

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						
Gas to surface in five minutes.						
	10 min.	12 lbs.	3/4" orifice			288,000 CFPD
	15 min.	13 lbs.	3/4" orifice			303,000 CFPD
SECOND FLOW						
	5 min.	18 lbs.	3/4" orifice			370,000 CFPD
	10 min.	26 lbs.	3/4" orifice			473,000 CFPD
	15 min.	26 lbs.	3/4" orifice			473,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled ---- Date to be Invoiced 12/13/79

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 1½% per month, equal to 18% 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 Dieter Production Company

Authorized by Lee Cornell

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 12/13/79 Test Ticket No. 2994

Recorder No. 1559 Capacity 4200 Location 2574 Ft.

Clock No. --- Elevation 3195 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1300 P.S.I.	Open Tool	10:35P M	
B First Initial Flow Pressure	194 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	157 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	625 P.S.I.	Second Flow Pressure	15 Mins.	15 Mins.
E Second Initial Flow Pressure	196 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	190 P.S.I.			
G Final Closed-in Pressure	623 P.S.I.			
H Final Hydrostatic Mud	1274 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	194
P 2 5	182
P 3 10	165
P 4 15	157
P 5	
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	157
3	533
6	587
9	602
12	610
15	614
18	618
21	620
24	622
27	624
30	625

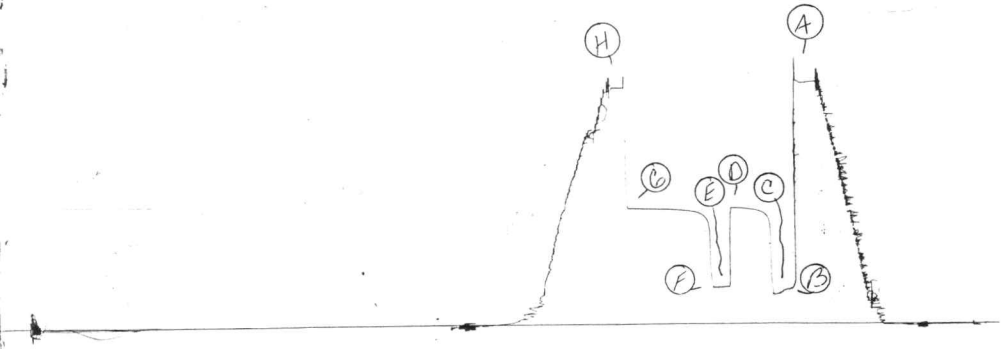
Second Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	196
5	194
10	192
15	190

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

Point Minutes	Press.
0	190
3	389
6	562
9	589
12	598
15	604
18	608
21	610
24	612
27	163
30	614
33	615
36	616
39	617
42	618
45	619
48	620
51	621
54	622
57	623
60	623

TH#2994
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Company Dieter Production Company | Lease & Well No. P.J.Jost #3

Elevation 1395 Kelly Bushing | Formation Simpson | Effective Pay --- Ft. | Ticket No. 2995

Date 12/15/79 | Sec. 22 | Twp. 1 9S | Range 2E | County Marion | State Kansas

Test Approved by McDonald | Western Representative W. K. Hager

Formation Test No. 2 | Interval Tested from 3025 ft. to 3035 ft. | Total Depth 3035 ft.

Packer Depth 3020 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 3025 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3012 ft. | Recorder Number 1559 | Cap. 4200

Bottom Recorder Depth (Outside) 3015 ft. | Recorder Number 1558 | Cap. 4200

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

Drilling Contractor Kansas Drilling Co. #1 | Drill Collar Length 210 | I. D. 2¼ in.

Mud Type chemical | Viscosity 36 | Weight Pipe Length - | I. D. - in.

Weight 10 | Water Loss 16 cc. | Drill Pipe Length 2788 | I. D. 3.8 in.

Chlorides 1,100 P.P.M. | Test Tool Length 37 ft. | Tool Size 5½ in.

Jars: Make - | Serial Number - | Anchor Length 10 ft. | Size 5½ 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 decreasing to very weak blow on initial flow period/ no blow on final flow period.

Recovered 63 ft. of mud with a show of heavy oil on top of tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool eight feet to bottom.

Time Set Packer(s) 1:25 ~~A.M.~~ P.M. | Time Started Off Bottom 3;15 ~~A.M.~~ P.M. | Maximum Temperature 111°

Initial Hydrostatic Pressure			(A)	1569	P.S.I.	
Initial Flow Period	Minutes 30	(B)	26	P.S.I. to (C)	31	P.S.I.
Initial Closed In Period	Minutes 30	(D)	889	P.S.I.		
Final Flow Period	Minutes 10	(E)	73	P.S.I. to (F)	47	P.S.I.
Final Closed In Period	Minutes 40	(G)	891	P.S.I.		
Final Hydrostatic Pressure		(H)	1567	P.S.I.		

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 12/15/79 Test Ticket No. 2995

Recorder No. 1559 Capacity 4200 Location 3012 Ft.

Clock No. --- Elevation 1395 Kelly Bushing Well Temperature 111 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1569	P.S.I.
B	First Initial Flow Pressure	26	P.S.I.
C	First Final Flow Pressure	31	P.S.I.
D	Initial Closed-in Pressure	889	P.S.I.
E	Second Initial Flow Pressure	73	P.S.I.
F	Second Final Flow Pressure	47	P.S.I.
G	Final Closed-in Pressure	891	P.S.I.
H	Final Hydrostatic Mud	1567	P.S.I.

	Time Given	Time Computed
Open Tool	1:25P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	10 Mins.	10 Mins.
Final Closed-in Pressure	40 Mins.	40 Mins.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	26
P 2	5	26
P 3	10	27
P 4	15	28
P 5	20	29
P 6	25	30
P 7	30	31
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	31
	3	385
	6	654
	9	806
	12	858
	15	868
	18	875
	21	881
	24	883
	27	886
	30	889

Second Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	73
	5	52
	10	47

Final Shut-In
Breakdown: 12 Inc. of 3 mins. and a final inc. of 4 Min.

Point	Minutes	Press.
	0	47
	3	328
	6	658
	9	779
	12	824
	15	841
	18	849
	21	857
	24	865
	27	876
	30	883
	33	887
	36	889
	40	891

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