Company George R. Jones — Lease & Well No. Miller #1

Elevation -- — Formation Mississippi — Effective Pay ---- Ft. — Ticket No. 4344

Date 11/27/79 — Sec. 36 — Twp. 33S — Range 10W — County Barber — State Kansas

Test Approved by Lee Poulsen — Western Representative Jim Wondra

Formation Test No. 1 — Interval Tested from 4549 ft. to 4565 ft. — Total Depth 4565 ft.

Packer Depth 4544 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4549 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4555 ft. — Recorder Number 2607 — Cap. 4150

Bottom Recorder Depth (Outside) 4558 ft. — Recorder Number 3351 — Cap. 4000

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

Drilling Contractor Gabbert-Jones Drilling Rig #8 — Drill Collar Length 435 — I. D. 2¼ in.

Mud Type premix-drispac — Viscosity 44 — Weight Pipe Length - — I. D. - in.

Weight 9.1 — Water Loss 14.2 cc. — Drill Pipe Length 4088 — I. D. 3.8 in.

Chlorides 11,000 P.P.M. — Test Tool Length 26 ft. — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 410 — Anchor Length 16 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 throughout flow periods.

Recovered 120 ft. of thick mud

Recovered ft. of

Recovered ft. of

Recovered ft. of MISRUN

Recovered ft. of

Remarks: Slid tool 25' to bottom. Tool plugged.

Time Set Packer(s) 9:30 ~~A.M.~~ P.M. — Time Started Off Bottom 11:30 ~~A.M.~~ P.M. — Maximum Temperature

Initial Hydrostatic Pressure ..... (A) 2234 P.S.I.

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

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

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

Final Closed In Period ..... Minutes 30 (G) -- P.S.I.

Final Hydrostatic Pressure ..... (H) 2218 P.S.I.

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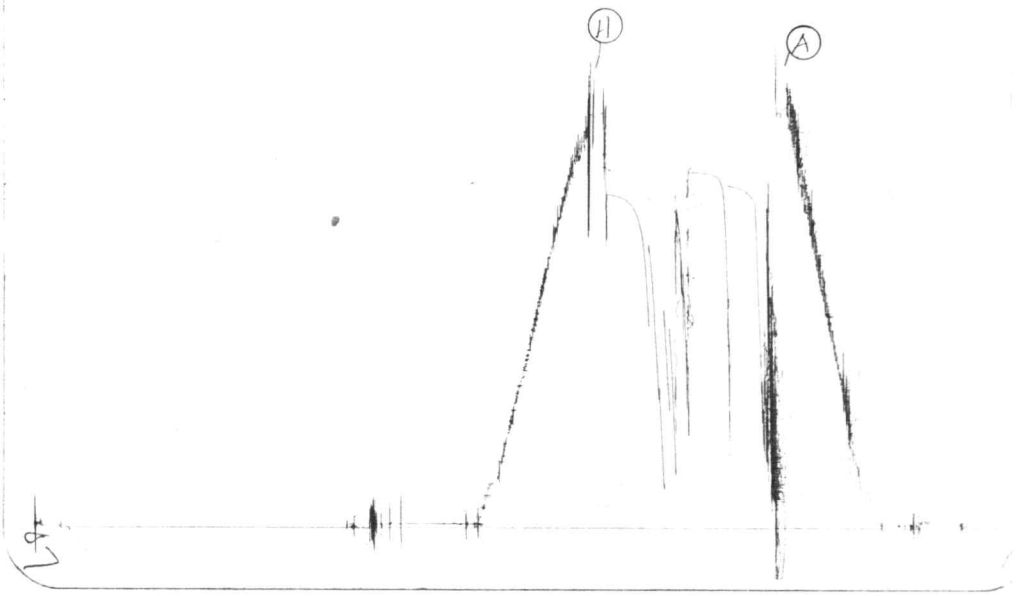

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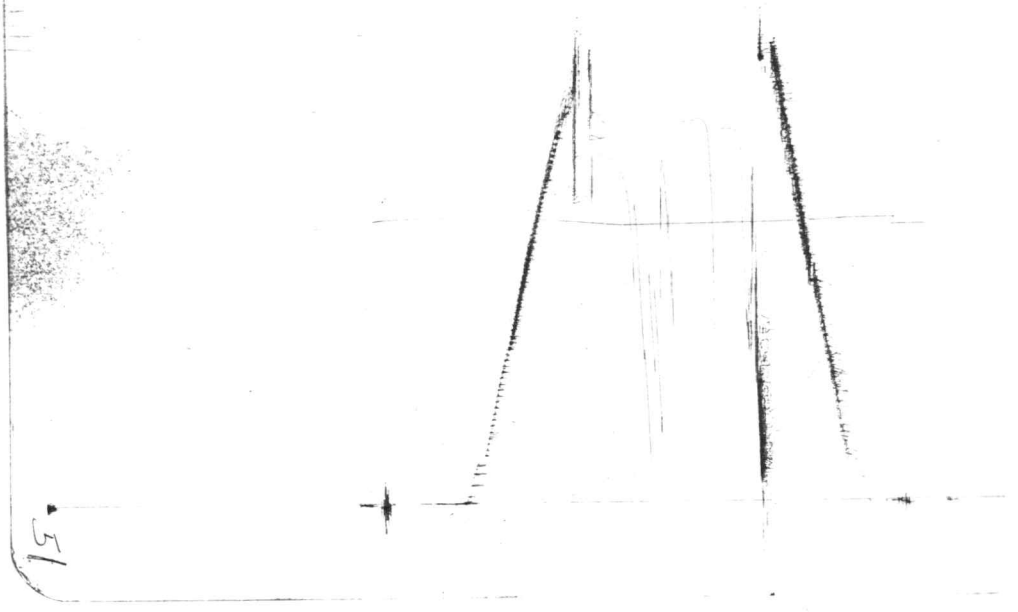

Company George R. Jones | Lease & Well No. Miller #1

Elevation -- | Formation Mississippi | Effective Pay ---- Ft. | Ticket No. 4345

Date 11/28/79 | Sec. 36 | Twp. 33S | Range 10W | County Barber | State Kansas

Test Approved by Lee Poulsen | Western Representative Jim Wondra

Formation Test No. 2 | Interval Tested from 4550 ft. to 4566 ft. | Total Depth 4566 ft.

Packer Depth 4545 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 4550 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4556 ft. | Recorder Number 2607 | Cap. 4150

Bottom Recorder Depth (Outside) 4559 ft. | Recorder Number 3351 | Cap. 4000

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

Drilling Contractor Gabbert-Jones Drilling Rig #8 | Drill Collar Length 435 | I. D. 2¼ in.

Mud Type premix-drispac | Viscosity 44 | Weight Pipe Length - | I. D. - in.

Weight 9.0 | Water Loss 12.4 cc. | Drill Pipe Length 4089 | I. D. 3.8 in.

Chlorides 10,000 P.P.M. | Test Tool Length 26 ft. | Tool Size 5½OD in.

Jars: Make WTC | Serial Number 410 | Anchor Length 16 ft. | Size 5½OD 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. | Tool Joint Size 4½FH in.

Blow: Weak increased to strong blow on first flow period. Strong blow throughout second flow period. Gas to surface in forty minutes on second flow. See attached sheet for gas measurements.

Recovered ft. of

Recovered 120 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool fifteen feet to bottom.

Time Set Packer(s) 1:05 ~~A.M.~~ P.M. | Time Started Off Bottom 4:05 ~~A.M.~~ P.M. | Maximum Temperature 125°

Initial Hydrostatic Pressure		(A) 2297 P.S.I.		
Initial Flow Period	Minutes 30	(B) 112 P.S.I.	to (C) 127 P.S.I.	
Initial Closed In Period	Minutes 33	(D) 1702 P.S.I.		
Final Flow Period	Minutes 60	(E) 87 P.S.I.	to (F) 84 P.S.I.	
Final Closed In Period	Minutes 60	(G) 1798 P.S.I.		
Final Hydrostatic Pressure		(H) 2255 P.S.I.		

GAS FLOW REPORT

Date 11/28/79 Ticket 4345 Company George R. Jones

Well Name and No. Miller #1 Dst No. 2 Interval Tested 4550'-4566'

County Barber State Kansas Sec. 36 Twp. 33S Rg. 10W

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 forty minutes. **SECOND FLOW**						
	45 min.	10" of water	1/4" orifice			5,320 CFPD
	50 min.	15" of water	1/4" orifice			6,550 CFPD
	60 min.	20" of water	1/4" orifice			7,510 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled ---- Date to be Invoiced 11/28/79

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 George R. Jones

Authorized by Lee Poulsen

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 11/28/79 Test Ticket No. 4345

Recorder No. 2607 Capacity 4150 Location 4556 Ft.

Clock No. --- Elevation ---- Well Temperature 125 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2297 P.S.I.		Open Tool	1:05P M	
B	First Initial Flow Pressure	112 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	127 P.S.I.		Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	1702 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	87 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	84 P.S.I.				
G	Final Closed-in Pressure	1798 P.S.I.				
H	Final Hydrostatic Mud	2255 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	112
P 2	5 Plugging action	
P 3	10 Plugging action	
P 4	15 Plugging action	
P 5	20 Plugging action	
P 6	25 Plugging action	
P 7	30	127
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	127
3	481
6	741
9	939
12	1144
15	1309
18	1434
21	1516
24	1578
27	1634
30	1673
33	1702

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

Point Minutes	Press.
0	87
5	84
10	81
15	81
20	81
25	91
30	84
35	84
40	84
45	84
50	84
55	84
60	84

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

Point Minutes	Press.
0	84
3	527
6	866
9	1134
12	1372
15	1525
18	1611
21	1664
24	1700
27	1727
30	1744
33	1754
36	1767
39	1773
42	1779
45	1785
48	1788
51	1791
54	1794
57	1796
60	1798

TK # 4345

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