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P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company North American Drilling & Exploration, Inc. Lease & Well No. Mellecker #1
Elevation ---- Formation Mississippi Effective Pay -- Ft. Ticket No. 957
Date 10/13/78 Sec. 27 Twp. 25S Range 17W County Edwards State Kansas
Test Approved by Marvin E. Frankamp Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 4412' ft. to 4490' ft. Total Depth 4490' ft.
Packer Depth 4398' ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4403' ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4407 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 4410 ft. Recorder Number 1565 Cap. 3150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor B & N. Rig #16 Drill Collar Length 452 I. D. 2 1/4 in.
Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 10.4 cc. Drill Pipe Length 3931 I. D. 3.8 in.
Chlorides 38,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make WTC Serial Number 402 Anchor Length 78 ft. Size 5 1/2 OD + 62' DC 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. Test tool length 29'

Blow: strong blow throughout flow periods. Gas to surface in two minutes. Gauged 2,530,000 CFPD (Max)
See attached sheet for gas measurements.

Recovered 60 ft. of mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

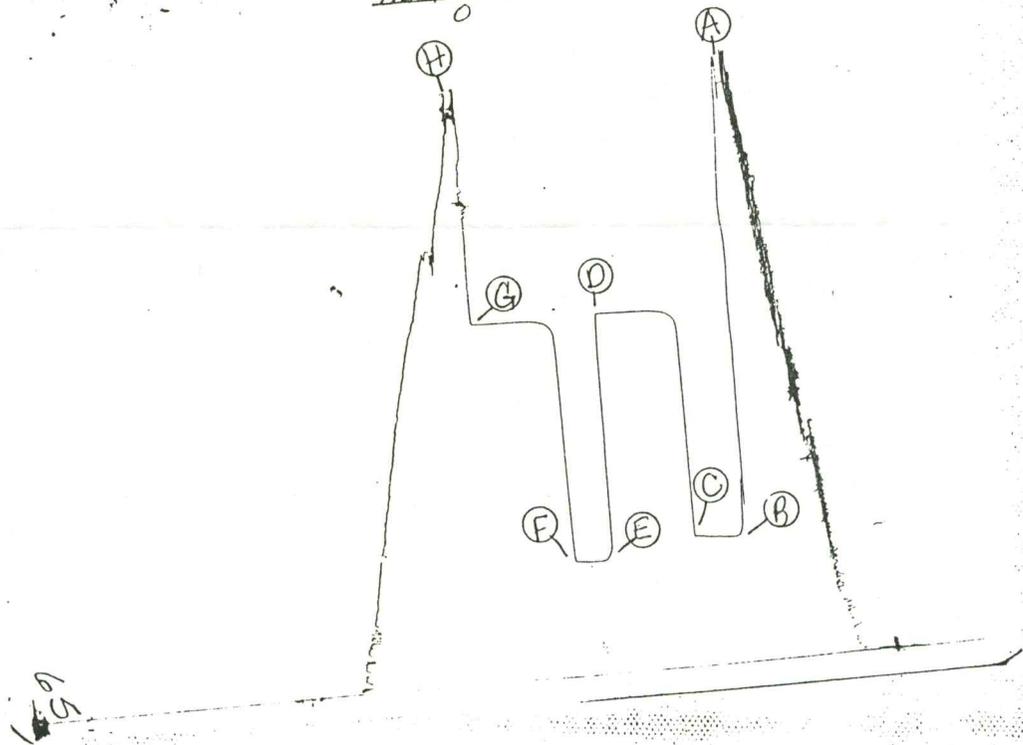
KG
FOUNDATION

Remarks: Read outside recorder

Time Set Packer(s)	9:25	A.M.	Time Started Off Bottom	12:45	A.M. = P.M.	Maximum Temperature	125
Initial Hydrostatic Pressure			(A)	2384		P.S.I.	
Initial Flow Period		Minutes	40	(B)	522	P.S.I. to (C)	525 P.S.I.
Initial Closed In Period		Minutes	60	(D)	1476		P.S.I.
Final Flow Period		Minutes	30	(E)	508	P.S.I. to (F)	466 P.S.I.
Final Closed In Period		Minutes	60	(G)	1473		P.S.I.
Final Hydrostatic Pressure			(H)	2376		P.S.I.	

2-25-123

Id # 957
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WESTERN TESTING CO., INC.
Pressure Data

Date 10/13/78 Test Ticket No. 957
 Recorder No. 1565 Capacity 4200 Location 4410 Ft.
 Clock No. -- Elevation -- Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2384</u> P.S.I.	Open Tool	<u>9:35A</u> M	
B First Initial Flow Pressure	<u>522</u> P.S.I.	First Flow Pressure	<u>40</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>525</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1476</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>508</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>466</u> P.S.I.			
G Final Closed-in Pressure	<u>1473</u> P.S.I.			
H Final Hydrostatic Mud	<u>2376</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>8</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u> <u>522</u>	<u>0</u> <u>525</u>	<u>0</u> <u>508</u>	<u>0</u> <u>466</u>			
P 2	<u>5</u> <u>509</u>	<u>3</u> <u>1443</u>	<u>5</u> <u>458</u>	<u>3</u> <u>1421</u>			
P 3	<u>10</u> <u>513</u> <i>887,000</i>	<u>6</u> <u>1455</u>	<u>10</u> <u>456</u> <i>253000</i>	<u>6</u> <u>1443</u>			
P 4	<u>15</u> <u>516</u>	<u>9</u> <u>1462</u>	<u>15</u> <u>459</u>	<u>9</u> <u>1452</u>			
P 5	<u>20</u> <u>517</u> <i>2310,000</i>	<u>12</u> <u>1465</u>	<u>20</u> <u>460</u> <i>253000</i>	<u>12</u> <u>1459</u>			
P 6	<u>25</u> <u>522</u>	<u>15</u> <u>1468</u>	<u>25</u> <u>464</u>	<u>15</u> <u>1463</u>			
P 7	<u>30</u> <u>525</u> <i>2310,000</i>	<u>18</u> <u>1469</u>	<u>30</u> <u>466</u> <i>253000</i>	<u>18</u> <u>1465</u>			
P 8	<u>35</u> <u>525</u> <i>2310,000</i>	<u>21</u> <u>1471</u>		<u>21</u> <u>1467</u>			
P 9		<u>24</u> <u>1471</u>		<u>24</u> <u>1468</u>			
P10		<u>27</u> <u>1471</u>		<u>27</u> <u>1468</u>			
P11		<u>30</u> <u>1472</u>		<u>30</u> <u>1469</u>			
P12		<u>33</u> <u>1472</u>		<u>33</u> <u>1469</u>			
P13		<u>36</u> <u>1472</u>		<u>36</u> <u>1469</u>			
P14		<u>39</u> <u>1473</u>		<u>39</u> <u>1469</u>			
P15		<u>42</u> <u>1473</u>		<u>42</u> <u>1470</u>			
P16		<u>45</u> <u>1473</u>		<u>45</u> <u>1470</u>			
P17		<u>48</u> <u>1475</u>		<u>48</u> <u>1470</u>			
P18		<u>51</u> <u>1475</u>		<u>51</u> <u>1470</u>			
P19		<u>54</u> <u>1475</u>		<u>54</u> <u>1472</u>			
P20		<u>57</u> <u>1475</u>		<u>57</u> <u>1472</u>			
WTC - 4		<u>60</u> <u>1476</u>		<u>60</u> <u>1473</u>			



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

GAS FLOW REPORT

Date 10/13/78 Ticket 957 Company North American Drilling & Exploration, Inc.
 Well Name and No. Mellecker #1 Dst No. 1 Interval Tested 4412'-4490'
 County Edwards State Kansas Sec. 27 Twp. 25S Rg. 17W

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 two minutes.						
10 min.	1½ lbs.	2" orifice				887,000 CFPD
20 min.	10 lbs.	2" orifice				2,310,000 CFPD
30 min.	10 lbs.	2" orifice				2,310,000 CFPD
38 min.	10 lbs.	2" orifice				2,310,000 CFPD

SECOND FLOW						
10 min.	12 lbs.	2" orifice				2,530,000 CFPD
20 min.	12 lbs.	2" orifice				2,530,000 CFPD
30 min.	12 lbs.	2" orifice				2,530,000 CFPD

GAS BOTTLE

Serial No. 629 Date Bottle Filled 10/13/78 Date to be Invoiced 10/13/78

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 Marvin E. Frankamp
 Authorized by Vernon Wondra

Horner Plot
Mellecker #1

