



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 15722

OK

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation MESS. Eff. Pay _____ Ft.

District DODGE CITY Date 9/5/82 Customer Order No. _____

COMPANY NAME GRAHAM - MICHAEL'S CORP. 211 N. Broadway

ADDRESS P.O. Box 247 Wichita Ks 67201

LEASE AND WELL NO. 2-33 Smith COUNTY KIOWA STATE KS Sec. 33 Twp. 30 Rge. 18W

Mail Invoice To #2-33 SMITH SAME No. Copies Requested 5
Co. Name Address

Mail Charts To SAME No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested From 5032 ft. to 5085 ft. Total Depth 5085 ft.

Packer Depth 5027 ft. Size 6 3/8 in. Packer Depth 5032 ft. Size 6 3/4 in.

Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) _____ ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Red Tiger Drilling Rig #1 Drill Collar Length 1015 I. D. 2.7 in.

Mud Type STARCH Viscosity 47 Weight Pipe Length 1015 I. D. 2.7 in.

Weight 9.6 Water Loss 17.2 cc. Drill Pipe Length _____ I. D. 3.8 in.

Chlorides 55,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.

Jars: Make Bowen Serial Number 414 Anchor Length 53 ft. Size 5.5 in.

Did Well Flow? _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size _____ in. Tool Joint Size _____ in.

Blow: _____

Recovered _____ ft. of

Recovered _____ ft. of

Recovered _____ ft. of

Recovered _____ ft. of

Recovered _____ ft. of

Remarks: MISRUN

SLID TOOL APPRX: 7' TO BOTTOM

Time On Location 10:30 A.M. Time Pick Up Tool 1:30 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 3:30 A.M. Time Started Off Bottom _____ A.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) X 2729 P.S.I.

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

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

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

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

Final Hydrostatic Pressure _____ (H) X 2695 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Vernon C. Howell
Signature of Customer or his authorized representative

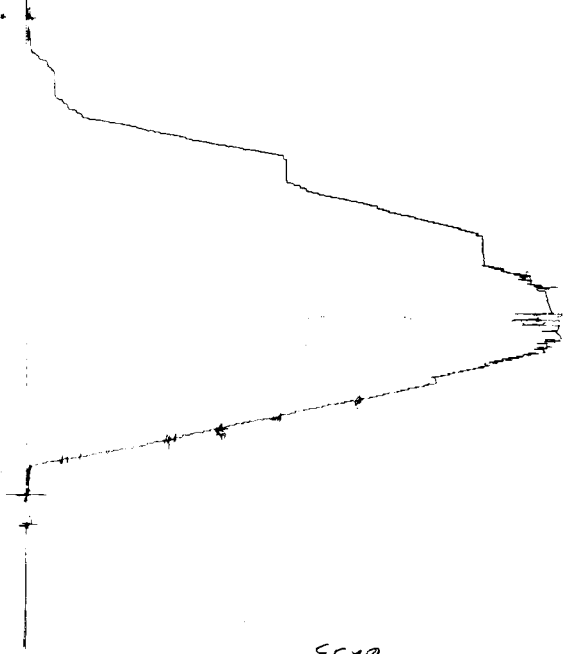
Western Representative Daniel Clapham Thanks Vern

FIELD INVOICE

Open Hole Test	\$ <u>400.00</u>
Misrun	\$ <u>310.00</u>
Straddle Test	\$ <u>65.00</u>
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage <u>N/C</u>	\$ <u>-</u>
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$ <u>765.00</u>

IRI # 15722

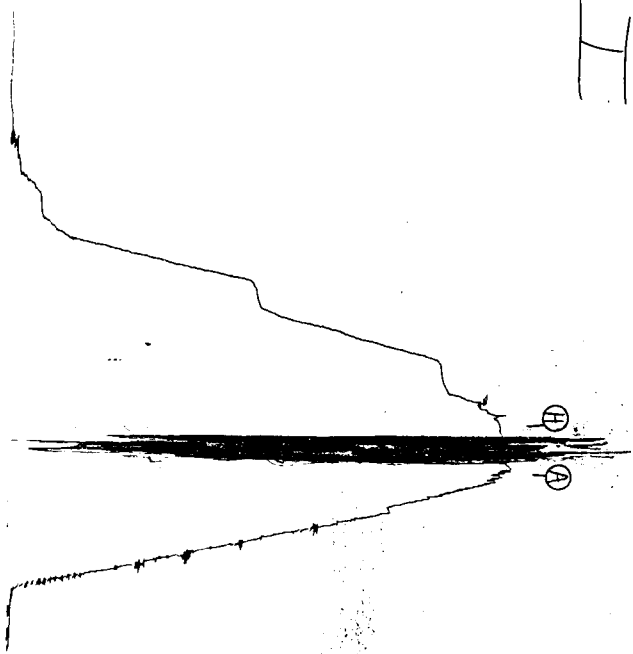
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6233

IRI # 15722

I



Company Graham - Michaelis Corporation Lease & Well No. #2-33 Smith
Elevation 2165 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 15722
Date 9/5/82 Sec. 33 Twp. 30S Range 18W County Kiowa State Kansas
Test Approved by Vernon C. Howell Western Representative Darrell Claphan
Formation Test No. 1 Interval Tested from 5032 ft. to 5085 ft. Total Depth 5085 ft.
Packer Depth 5027 ft. Size 6 5/8 in. Packer Depth 5032 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) - ft. Recorder Number 10980 Cap. 4200
Bottom Recorder Depth (Outside) - ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Red Tiger Drlg. Rig #1 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 47 Weight Pipe Length 1015 I. D. 2.7 in.
Weight 9.6 Water Loss 17.2 cc. Drill Pipe Length -- I. D. 3.8 in.
Chlorides 55,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
Jars: Make WTC Serial Number 414 Anchor Length 53 ft. Size 5.5 in.
Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size - in. Tool Joint Size - in.

Blow: MISRUN

Recovered - ft. of
Recovered - ft. of
Recovered - ft. of
Recovered - ft. of MISRUN
Recovered - ft. of NO PACKER SEAT

Remarks: SLID TOOL APPROXIMATELY SEVEN FEET TO BOTTOM.

Time Set Packer(s) 3:30 A.M. Time Started Off Bottom ----- A.M. Maximum Temperature ?
P.M.
Initial Hydrostatic Pressure 2729 (A) P.S.I.
Initial Flow Period - Minutes (B) - P.S.I. to (C) - P.S.I.
Initial Closed In Period - Minutes (D) - P.S.I.
Final Flow Period - Minutes (E) - P.S.I. to (F) - P.S.I.
Final Closed In Period - Minutes (G) - P.S.I.
Final Hydrostatic Pressure 2695 (H) P.S.I.



P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

OK
No 15723

Elevation 21656.4 Formation MISS. Eff. Pay → Ft.

District DODGE CITY Date 9/5/82 Customer Order No. —

COMPANY NAME GRAHAM - MICHAELS CORP. 211 N. Broadway

ADDRESS P.O. Box 247 Wichita KS 67201

LEASE AND WELL NO. Smith 2-33 COUNTY Kiowa STATE Ks Sec. 33 Twp. 30 Rge. 18W

Mail Invoice To #2-33 SMITH SAME No. Copies Requested 5
Co. Name Address

Mail Charts To SAME No. Copies Requested 5
Address

Formation Test No. 2 Interval Tested From 4962 ft. to 5085 ft. Total Depth 5085 ft.

Packer Depth 4957 ft. Size 6 5/8 in. Packer Depth 4962 ft. Size 6 3/4 in.

Packer Depth — ft. Size — in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4966 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 4970 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Red Tiger Drilling Rig #1 Drill Collar Length — I. D. — in.

Mud Type STARCH Viscosity 844 Weight Pipe Length 1015' I. D. 2.7 in.

Weight 9.6 Water Loss 17.2 cc. Drill Pipe Length 3918' I. D. 3.8 in.

Chlorides 55000 P.P.M. Test Tool Length 29' ft. Tool Size 4.5 in.

Jars: Make Bowen Serial Number 414 Anchor Length 123' ft. Size 5.5 in.

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

Main Hole Size 7 1/8 in. Tool Joint Size 4.5 in.

Blow: 1ST - WEAK DEEDED 15 MEN

2ND - NO BLOW - FLUSHED TOOL NO HELP (3 TIMES) NO HELP

Recovered 190' ft. of MUD

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Remarks: SLTD TOOL APPRX. 15' TO BOTTOM

SLTD TOOL APPRX. 15' TO BOTTOM

Time On Location 10:30 A.M. Time Pick Up Tool 9:00 A.M. Time Off Location — P.M.

Time Set Packer(s) 10:55 A.M. Time Started Off Bottom 12:40 A.M. Maximum Temperature 125°

Initial Hydrostatic Pressure 2656 P.S.I.

Initial Flow Period 15 Minutes (B) 152 P.S.I. to (C) 152 P.S.I.

Initial Closed In Period 30 Minutes (D) 497 P.S.I.

Final Flow Period 30 Minutes (E) 193 P.S.I. to (F) 193 P.S.I.

Final Closed In Period 30 Minutes (G) 213 P.S.I.

Final Hydrostatic Pressure 2636 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Vernon C. Howell

Signature of Customer or his authorized representative

Western Representative Samuel Chapter

FIELD INVOICE

Open Hole Test \$ 750.00
Misrun \$ —
Straddle Test \$ —
Jars \$ 300.00
Selective Zone \$ 65.00
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —
Insurance \$ —
Telecopier \$ —
TOTAL \$ 1115.00

WESTERN TESTING CO., INC.

Pressure Data

Date 9-5 Test Ticket No. 15723
 Recorder No. 6233 Capacity 4000 Location 4970 Ft.
 Clock No. --- Elevation 2165 Well Temperature 125 °F

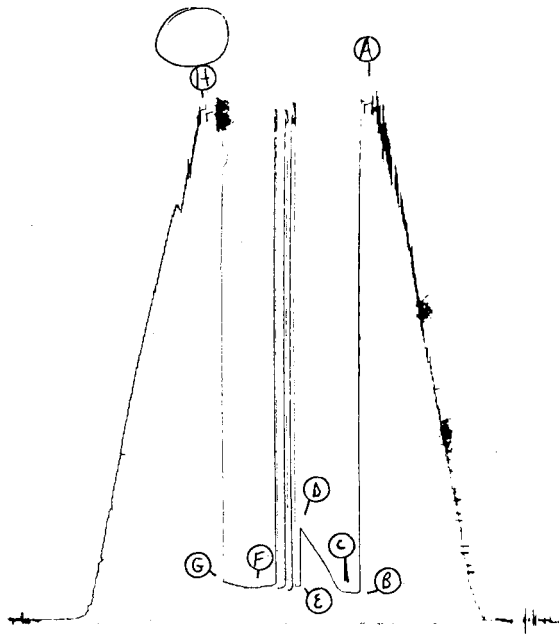
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2669</u> P.S.I.	Open Tool	<u>10:55 A</u>	
B First Initial Flow Pressure <u>161</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure <u>166</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure <u>500</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure <u>195</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure <u>189</u> P.S.I.			
G Final Closed-in Pressure <u>216</u> P.S.I.			
H Final Hydrostatic Mud <u>2641</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>161</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>195</u>	<u>0</u>	<u>189</u>
P 2 <u>5</u>	<u>163</u>	<u>3</u>	<u>173</u>	<u>5</u>	<u>Flushed Tool</u>	<u>3</u>	<u>190</u>
P 3 <u>10</u>	<u>166</u>	<u>6</u>	<u>191</u>	<u>10</u>	<u>Flushed Tool</u>	<u>6</u>	<u>192</u>
P 4 <u>15</u>		<u>9</u>	<u>229</u>	<u>15</u>	<u>186</u>	<u>9</u>	<u>194</u>
P 5 <u>20</u>		<u>12</u>	<u>270</u>	<u>20</u>	<u>Flushed 202 Tool</u>	<u>12</u>	<u>196</u>
P 6 <u>25</u>		<u>15</u>	<u>307</u>	<u>25</u>	<u>196</u>	<u>15</u>	<u>199</u>
P 7 <u>30</u>		<u>18</u>	<u>339</u>	<u>30</u>	<u>189</u>	<u>18</u>	<u>203</u>
P 8 <u>35</u>		<u>21</u>	<u>372</u>	<u>35</u>		<u>21</u>	<u>208</u>
P 9 <u>40</u>		<u>24</u>	<u>407</u>	<u>40</u>		<u>24</u>	<u>212</u>
P10 <u>45</u>		<u>27</u>	<u>437</u>	<u>45</u>		<u>27</u>	<u>216</u>
P11 <u>50</u>		<u>30</u>	<u>466</u>	<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>	<u>500</u>	<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TKT # 15723

6233



Company Graham - Michaelis Corporation Lease & Well No. #2-33 Smith
 Elevation 2165 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 15723
 Date 9/5/82 Sec. 33 Twp. 30S Range 18W County Kiowa State Kansas
 Test Approved by Vernon C. Howell Western Representative Darrell Claphan
 Formation Test No. 2 Interval Tested from 4962 ft. to 5085 ft. Total Depth 5085 ft.
 Packer Depth 4957 ft. Size 6 5/8 in. Packer Depth 4962 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4966 ft. Recorder Number 10980 Cap 4200
 Bottom Recorder Depth (Outside) 4970 ft. Recorder Number 6233 Cap 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -
 Drilling Contractor Red Tiger Drlg. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 44 Weight Pipe Length 1015 I. D. 2.7 in.
 Weight 9.6 Water Loss 17.2 cc. Drill Pipe Length 3918 I. D. 3.8 in.
 Chlorides 55,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
 Jars: Make WTC Serial Number 414 Anchor Length 123 ft. Size 5.5 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 4.5 in.

Blow: Initial flow period weak and died in fifteen minutes. No blow on final flow period;
flushed tool - no help (three times) no help.

Recovered 190 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: READ OUTSIDE CHART
Slid tool approximately fifteen feet to bottom.

Time Set Packer(s)	<u>10:55</u>	<u>A.M.</u>	Time Started Off Bottom	<u>12:40</u>	<u>A.M.</u>	Maximum Temperature	<u>125°</u>
Initial Hydrostatic Pressure			(A)	<u>2669</u>	P.S.I.		
Initial Flow Period	Minutes	<u>10</u>	(B)	<u>161</u>	P.S.I. to (C)	<u>166</u>	P.S.I.
Initial Closed In Period	Minutes	<u>33</u>	(D)	<u>500</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>195</u>	P.S.I. to (F)	<u>189</u>	P.S.I.
Final Closed In Period	Minutes	<u>27</u>	(G)	<u>216</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2641</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 9/5/82 Test Ticket No. 15723
 Recorder No. 6233 Capacity 4000 Location 4970 Ft.
 Clock No. --- Elevation 2165 Ground Level Well Temperature 125 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2669 P.S.I.	10:55A	M
B First Initial Flow Pressure	161 P.S.I.	15	Mins. 10 Mins.
C First Final Flow Pressure	166 P.S.I.	30	Mins. 33 Mins.
D Initial Closed-in Pressure	500 P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	195 P.S.I.	30	Mins. 27 Mins.
F Second Final Flow Pressure	189 P.S.I.		
G Final Closed-in Pressure	216 P.S.I.		
H Final Hydrostatic Mud	2641 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>11</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>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>161</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>195</u>	<u>0</u>	<u>189</u>
P 2 <u>5</u>	<u>163</u>	<u>3</u>	<u>173</u>	<u>5</u>	FLUSHED TOOL	<u>3</u>	<u>190</u>
P 3 <u>10</u>	<u>166</u>	<u>6</u>	<u>191</u>	<u>10</u>	FLUSHED TOOL	<u>6</u>	<u>192</u>
P 4		<u>9</u>	<u>229</u>	<u>15</u>	<u>186</u>	<u>9</u>	<u>194</u>
P 5		<u>12</u>	<u>270</u>	<u>20</u>	<u>202</u>	<u>12</u>	<u>196</u>
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P 7		<u>18</u>	<u>339</u>	<u>30</u>	<u>189</u>	<u>18</u>	<u>203</u>
P 8		<u>21</u>	<u>372</u>			<u>21</u>	<u>208</u>
P 9		<u>24</u>	<u>407</u>			<u>24</u>	<u>212</u>
P10		<u>27</u>	<u>437</u>			<u>27</u>	<u>216</u>
P11		<u>30</u>	<u>466</u>				
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