



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

Company Texas Oil & Gas Corp. Lease & Well No. Hammer #1
Elevation 2394 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 25711
Date 8-12-77 Sec. 8 Twp. 29S Range 20W County Kiowa State Kansas
Test Approved by K. W. Dahlberg Western Representative Joe N. Lusk
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 5074' to 5098' Total Depth 5098'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 5069 Ft. Size 6 3/4 Bottom Packer Depth 5074 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 24 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 5080 Ft. Clock No. 6895 Depth 5083 Ft. Clock No. 6799
Top Make Kuster Cap. 4000 No. 3351 Inside ☒ Outside ☐ Bottom Make Kuster Cap. 4000 No. 3660 Inside ☐ Outside ☒
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐
Time Set Packer 8:00A M
Tool Open I.F.P. From 8:02A M. to 8:32A M. - Hr. 30 Min. From (B) 34 P.S.I. To (C) 28 P.S.I.
Tool Closed I.C.I.P. From 8:32A M. to 9:32 M. - Hr. 60 Min (D) 28 P.S.I.
Tool Open F.F.P. From 9:32A M. to 10:17A M. - Hr. 45 Min. From (E) 28 P.S.I. To (F) 28 P.S.I.
Tool Closed F.C.I.P. From 10:17A M. to 11:47A M. - Hr. 30 Min. (G) 28 P.S.I.
Initial Hydrostatic Pressure (A) 2480 P.S.I. Final Hydrostatic Pressure (H) 2419 P.S.I. Maximum Temp. 123

INFORMATION

BLOW Good blow increasing to strong blow on initial flow period. Fair blow increasing to good blow on final flow period.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 10' mud.

Reversed Out ☐ Yes ☒ No Mud Type Premix Viscosity 46 Weight 9.5 Water Loss 13.6 cc. Chlorides 19,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☒ Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Xplor Drlg. Length Drill Pipe? 4766 Ft. I.D. Drill Pipe 2 In. Tool Joint Size 4 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 53 Ft.

Remarks:

Chlorides - 32,000 P.P.M. Bottom

Clock on recorder #3351 stopped, read outside recorder #3660.

WESTERN TESTING CO., INC.

Pressure Data

Date 8-12-77

Test Ticket No. 25711

Recorder No. 3660 Capacity 4000 Location 5083 Ft.

Clock No. 6799 Elevation 2394 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2480</u> P.S.I.	Open Tool	<u>8:00A</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>28</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>28</u> P.S.I.			
G Final Closed-in Pressure	<u>28</u> P.S.I.			
H Final Hydrostatic Mud	<u>2419</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</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>34</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>28</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>28</u>
P 3 <u>10</u>	<u>32</u>	<u>6</u>	<u>28</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>28</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>28</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>28</u>
P 5 <u>20</u>	<u>32</u>	<u>12</u>	<u>28</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>28</u>
P 6 <u>25</u>	<u>32</u>	<u>15</u>	<u>28</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>28</u>
P 7 <u>30</u>	<u>28</u>	<u>18</u>	<u>28</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>28</u>
P 8		<u>21</u>	<u>28</u>	<u>35</u>	<u>28</u>	<u>21</u>	<u>28</u>
P 9		<u>24</u>	<u>28</u>	<u>40</u>	<u>28</u>	<u>24</u>	<u>28</u>
P10		<u>27</u>	<u>28</u>	<u>45</u>	<u>28</u>	<u>27</u>	<u>28</u>
P11		<u>30</u>	<u>28</u>			<u>30</u>	<u>28</u>
P12		<u>33</u>	<u>28</u>				
P13		<u>36</u>	<u>28</u>				
P14		<u>39</u>	<u>28</u>				
P15		<u>42</u>	<u>28</u>				
P16		<u>45</u>	<u>28</u>				
P17		<u>48</u>	<u>28</u>				
P18		<u>51</u>	<u>28</u>				
P19		<u>54</u>	<u>28</u>				
P20		<u>57</u>	<u>28</u>				
		<u>60</u>	<u>28</u>				

TK+ #25711

(A)

C.

(A)

(S)

(F)

(E)

(D)

(C)

(B)

335

TK-#25711

I,



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

Company Texas Oil & Gas Corp. Lease & Well No. Hammer #1
Elevation 2394 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 23105
Date 8-13-77 Sec. 8 Twp. 29S Range 20W County Kiowa State Kansas
Test Approved by K. W. Dahlberg Western Representative Joe N. Lusk
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 5096' to 5118' Total Depth 5118'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 5091 Ft. Size 6 3/4 Bottom Packer Depth 5096 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 22 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 5103 Ft. Clock No. 5665 Depth 5106 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 3:43A M
Tool Open I.F.P. From 3:45A M. to 4:15A M. - Hr. 30 Min. From (B) 98 P.S.I. To (C) 166 P.S.I.
Tool Closed I.C.I.P. From 4:15A M. to 5:15A M. - Hr. 60 Min (D) 1179 P.S.I.
Tool Open F.F.P. From 5:15A M. to 6:00A M. - Hr. 45 Min. From (E) 197 P.S.I. To (F) 252 P.S.I.
Tool Closed F.C.I.P. From 6:00A M. to 7:30A M. - Hr. 90 Min. (G) 1137 P.S.I.
Initial Hydrostatic Pressure (A) 2542 P.S.I. Final Hydrostatic Pressure (H) 2542 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Good to moderately strong blow on initial flow period. Strong blow on final flow period.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 430' total recovery 30' oil and gas cut watery mud. 62' muddy water with traces of oil. 340' gas cut water. 600' gas in pipe.

Reversed Out ☐ Yes ☒ No Mud Type Premix Viscosity 53 Weight 9.5 Water Loss 15.2 cc. Chlorides 33,000 p.p.m.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 403

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Xplor Drlg. Length Drill Pipe 4787 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4' FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 52 Ft.

Remarks:

Slid tool in approximately 2'.

Chlorides: Top 35,000 P.P.M

Middle 70,000 P.P.M.

Bottom 70,000 P.P.M.

WESTERN TESTING CO., INC.

Pressure Data

Date 8-13-77 Test Ticket No. 23105
 Recorder No. 969 Capacity 4150 Location 5103 Ft.
 Block No. 5665 Elevation 2394 Kelly Bushing Well Temperature 120 °F
 Point Pressure Time Given Time Computed
 Initial Hydrostatic Mud 2542 P.S.I. Open Tool 3:43A M
 First Initial Flow Pressure 98 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 First Final Flow Pressure 166 P.S.I. Initial Closed-in Pressure 60 Mins. 57 Mins.
 Initial Closed-in Pressure 1179 P.S.I. Second Flow Pressure 45 Mins. 45 Mins.
 Second Initial Flow Pressure 197 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 Second Final Flow Pressure 252 P.S.I.
 Final Closed-in Pressure 1137 P.S.I.
 Final Hydrostatic Mud 2542 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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						63	1084
P 2						66	1092
P 3						69	1098
P 4						72	1107
P 5						75	1113
P 6						78	1119
P 7						81	1123
P 8						84	1129
P 9						87	1133
P10						90	1137
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.
Pressure Data

Date 8-13-77 Test Ticket No. 23105
Recorder No. 969 Capacity 4150 Location 5103 Ft.
Clock No. 5665 Elevation 2394 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2542</u>	P.S.I.	<u>3:43A</u>	<u>M</u>
B First Initial Flow Pressure	<u>98</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>166</u>	P.S.I.	<u>60</u>	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1179</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>197</u>	P.S.I.	<u>90</u>	<u>90</u> Mins.
F Second Final Flow Pressure	<u>252</u>	P.S.I.		
G Final Closed-in Pressure	<u>1137</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2542</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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>98</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>197</u>	<u>0</u>	<u>252</u>
P 2 <u>5</u>	<u>104</u>	<u>3</u>	<u>463</u>	<u>5</u>	<u>199</u>	<u>3</u>	<u>428</u>
P 3 <u>10</u>	<u>123</u>	<u>6</u>	<u>688</u>	<u>10</u>	<u>209</u>	<u>6</u>	<u>596</u>
P 4 <u>15</u>	<u>139</u>	<u>9</u>	<u>801</u>	<u>15</u>	<u>217</u>	<u>9</u>	<u>699</u>
P 5 <u>20</u>	<u>154</u>	<u>12</u>	<u>877</u>	<u>20</u>	<u>223</u>	<u>12</u>	<u>766'</u>
P 6 <u>25</u>	<u>160</u>	<u>15</u>	<u>930</u>	<u>25</u>	<u>231</u>	<u>15</u>	<u>820</u>
P 7 <u>30</u>	<u>166</u>	<u>18</u>	<u>967</u>	<u>30</u>	<u>236</u>	<u>18</u>	<u>859</u>
P 8		<u>21</u>	<u>1002</u>	<u>35</u>	<u>242</u>	<u>21</u>	<u>889</u>
P 9		<u>24</u>	<u>1026</u>	<u>40</u>	<u>248</u>	<u>24</u>	<u>916</u>
P10		<u>27</u>	<u>1049</u>	<u>45</u>	<u>252</u>	<u>27</u>	<u>939</u>
P11		<u>30</u>	<u>1068</u>			<u>30</u>	<u>957</u>
P12		<u>33</u>	<u>1088</u>			<u>33</u>	<u>973</u>
P13		<u>36</u>	<u>1103</u>			<u>36</u>	<u>990</u>
P14		<u>39</u>	<u>1117</u>			<u>39</u>	<u>1004</u>
P15		<u>42</u>	<u>1129</u>			<u>42</u>	<u>1016</u>
P16		<u>45</u>	<u>1142</u>			<u>45</u>	<u>1029</u>
P17		<u>48</u>	<u>1154</u>			<u>48</u>	<u>1039</u>
P18		<u>51</u>	<u>1164</u>			<u>51</u>	<u>1049</u>
P19		<u>54</u>	<u>1175</u>			<u>54</u>	<u>1062</u>
P20		<u>57</u>	<u>1179</u>			<u>57</u>	<u>1070</u>
						<u>60</u>	<u>1078</u>

TKI#23105

I

(H)

(A)

(G)

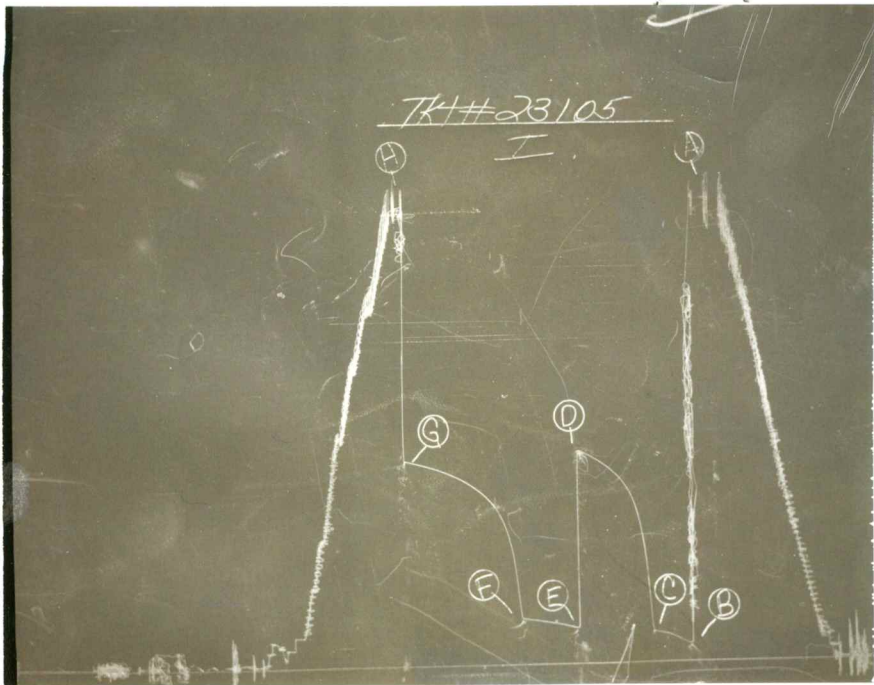
(D)

(F)

(E)

(C)

(B)



27
Tkt # 23105

0

