



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

Company Texas Oil & Gas Corp. Lease & Well No. Schwarm #2
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21699
Date 12-7-77 Sec. 32 Twp. 29S Range 17W County Kiowa State Kansas
Test Approved by K. W. Dahlberg Western Representative Joe N. Lusk
Formation Test No. 1 O.K. - Misrun X Interval Tested From 4805' to 4823' Total Depth 4823'
Size Main Hole 7-7/8 Rat Hole - Conv. - B.T. X Damaged - Yes - No Conv. X B.T. - Damaged - Yes - No
Top Packer Depth 4800 Ft. Size 6-3/4 Bottom Packer Depth 4805 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 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4812 Ft. Clock No. 6892 Depth 4815 Ft. Clock No. 6799
Top Make Kuster Cap. 4000 No. 3351 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer M
Tool Open I.F.P. From M. to M. Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From M. to M. Hr. - Min. (D) - P.S.I.
Tool Open F.F.P. From M. to M. Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From M. to M. Hr. - Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. -

INFORMATION

BLOW -
Did Well Flow - Yes - No - Recovery Total Ft. -
Reversed Out - Yes X No - Drispac Mud Type Premix Viscosity 36 Weight 93 Water Loss 22.4 cc. Chlorides 19,500 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 410
Dual Packer Yes Did Packers Hold? - Did Tool Plug? - Where? -
DRILLING CONTRACTOR X-plor Drlg. Rig. #1 Length Drill Pipe? 4527 Ft. I.D. Drill Pipe 3.0 In. Tool Joint Size 4" FH In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 247 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 49 Ft.

Remarks:

Opened Tool twice & tried to slide in - lacked approx. 40' of getting to bottom.

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TKT # 21699.

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TKT# 21699.

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

Company Texas Oil & Gas Corp. Lease & Well No. Schwarm #2
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 21700
Date 12-8-77 Sec. 32 Twp. 29S Range 17W 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 4805' to 4823' Total Depth 4823'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. ☒ Damaged - Yes ☒ No Conv. ☒ B.T. - Damaged - Yes ☒ No
Top Packer Depth 4800 Ft. Size 6 3/4 Bottom Packer Depth 4805 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 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4812 Ft. Clock No. 6892 Depth 4815 Ft. Clock No. 6799
Top Make Kuster Cap. 4000 No. 3351 Inside Bottom Make Kuster Cap. 4150 No. 2607 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside
Time Set Packer 1:48P M
Tool Open I.F.P. From 1:50 M. to 2:20 M. - Hr. 30 Min. From (B) 72 P.S.I. To (C) 55 P.S.I.
Tool Closed I.C.I.P. From 2:20 M. to 3:20 M. - Hr. 60 Min (D) 231 P.S.I.
Tool Open F.F.P. From 3:20 M. to 4:05 M. - Hr. 45 Min. From (E) 78 P.S.I. To (F) 59 P.S.I.
Tool Closed F.C.I.P. From 4:05 M. to 5:35 M. - Hr. 90 Min. (G) 265 P.S.I.
Initial Hydrostatic Pressure (A) 2453 P.S.I. Final Hydrostatic Pressure (H) 2447 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Very weak blow on initial flow period. Weak to fair blow on final flow period.

Did Well Flow -Yes ☒ No Recovery Total Ft. 70' mud with few spots of oil in top of tool.

Reversed Out -Yes ☒ No Mud Type Premix Viscosity 52 Weight 9.4 Water Loss 20.0 cc. Chlorides 35,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 410

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

DRILLING CONTRACTOR Xplor Drilling Rig #1 Length Drill Pipe 4527 Ft. I.D. Drill Pipe 3.0 In. Tool Joint Size 4" FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 247 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 49 Ft.

Remarks: Chlorides checked: Top 35,000 ppm; Bottom 35,000 ppm

Read outside recorder #2607

Authorized by K. W. Dahlberg

WESTERN TESTING CO., INC.
Pressure Data

Date 12-8-77 Test Ticket No. 21700
 Recorder No. 2607 Capacity 4150 Location 4815
 Clock No. 6799 Elevation - Well Temperature 127

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2453</u> P.S.I.	Open Tool	<u>1:48P</u> M	
B First Initial Flow Pressure	<u>72</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mi
C First Final Flow Pressure	<u>55</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mi
D Initial Closed-in Pressure	<u>231</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mi
E Second Initial Flow Pressure	<u>78</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mi
F Second Final Flow Pressure	<u>59</u> P.S.I.			
G Final Closed-in Pressure	<u>265</u> P.S.I.			
H Final Hydrostatic Mud	<u>2447</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>72</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>59</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>59</u>
P 3 <u>10</u>	<u>55</u>	<u>6</u>	<u>55</u>	<u>10</u>	<u>59</u>	<u>6</u>	<u>59</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>61</u>	<u>15</u>	<u>59</u>	<u>9</u>	<u>59</u>
P 5 <u>20</u>	<u>55</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>59</u>	<u>12</u>	<u>59</u>
P 6 <u>25</u>	<u>55</u>	<u>15</u>	<u>76</u>	<u>25</u>	<u>59</u>	<u>15</u>	<u>59</u>
P 7 <u>30</u>	<u>55</u>	<u>18</u>	<u>79</u>	<u>30</u>	<u>59</u>	<u>18</u>	<u>63</u>
P 8		<u>21</u>	<u>87</u>	<u>35</u>	<u>59</u>	<u>21</u>	<u>70</u>
P 9		<u>24</u>	<u>95</u>	<u>40</u>	<u>59</u>	<u>24</u>	<u>78</u>
P10		<u>27</u>	<u>106</u>	<u>45</u>	<u>59</u>	<u>27</u>	<u>84</u>
P11		<u>30</u>	<u>114</u>			<u>30</u>	<u>91</u>
P12		<u>33</u>	<u>123</u>			<u>33</u>	<u>99</u>
P13		<u>36</u>	<u>135</u>			<u>36</u>	<u>106</u>
P14		<u>39</u>	<u>146</u>			<u>39</u>	<u>116</u>
P15		<u>42</u>	<u>159</u>			<u>42</u>	<u>120</u>
P16		<u>45</u>	<u>169</u>			<u>45</u>	<u>127</u>
P17		<u>48</u>	<u>182</u>			<u>48</u>	<u>135</u>
P18		<u>51</u>	<u>195</u>			<u>51</u>	<u>142</u>
P19		<u>54</u>	<u>209</u>			<u>54</u>	<u>150</u>
P20		<u>57</u>	<u>222</u>			<u>57</u>	<u>159</u>
		<u>60</u>	<u>231</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date 12-8-77 Test Ticket No. 21700
 Recorder No. 2607 Capacity 4150 Location 4815 Ft.
 Clock No. 6799 Elevation - Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2453</u> P.S.I.	Open Tool	<u>1:48P</u> M	
B First Initial Flow Pressure	<u>72</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>55</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>231</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>78</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>59</u> P.S.I.			
G Final Closed-in Pressure	<u>265</u> P.S.I.			
H Final Hydrostatic Mud	<u>2447</u> P.S.I.			

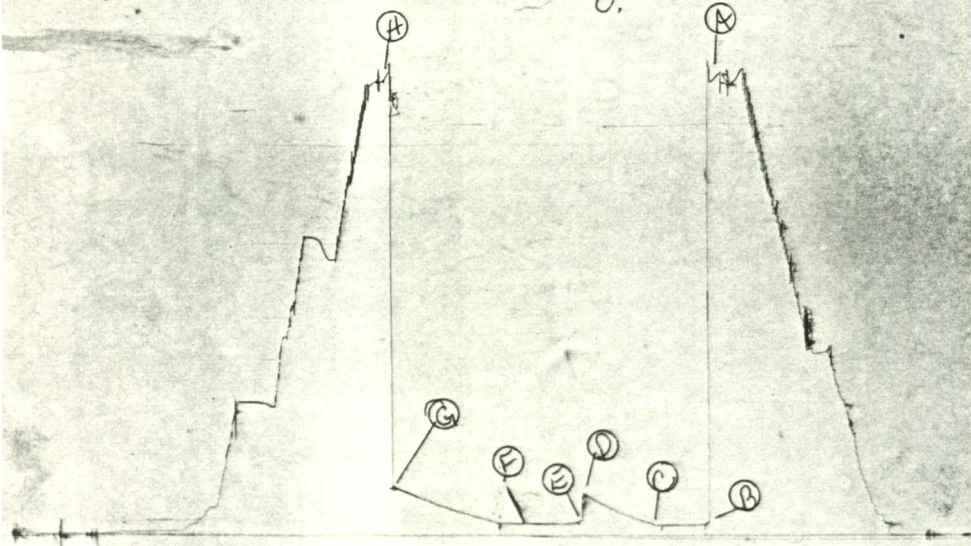
PRESSURE BREAKDOWN

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						60	165
P 2						63	176
P 3						66	182
P 4						69	193
P 5						72	199
P 6						75	209
P 7						78	218
P 8						81	226
P 9						84	237
P10						87	246
P11						90	256
P12						93	265
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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TKT # 21700

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Tkt # 21700
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Company Texas Oil & Gas Corp. Lease & Well No. Schwarm #2
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 22627
Date 12-9-77 Sec. 32 Twp. 29S Range 17W County Kiowa State Kansas
Test Approved by K. W. Dahlberg Western Representative Joe N. Lusk
Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4812' to 4831' Total Depth 4831'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 4807 Ft. Size 6 3/4 Bottom Packer Depth 4812 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 19 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4819 Ft. Clock No. 6892 Depth 4822 Ft. Clock No. 6799
Top Make Kuster Cap. 4000 No. 3051 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside
Time Set Packer 11:18A M
Tool Open I.F.P. From 11:20 M. to 11:50 M. - Hr. 30 Min. From (B) 711 P.S.I. To (C) 1683 P.S.I.
Tool Closed I.C.I.P. From 11:50 M. to 12:50 M. - Hr. 60 Min (D) 1683 P.S.I.
Tool Open F.F.P. From 12:50 M. to 1:35 M. - Hr. 45 Min. From (E) 1683 P.S.I. To (F) 1683 P.S.I.
Tool Closed F.C.I.P. From 1:35 M. to 3:05 M. - Hr. 90 Min. (G) 1683 P.S.I.
Initial Hydrostatic Pressure (A) 2466 P.S.I. Final Hydrostatic Pressure (H) 2437 P.S.I. Maximum Temp. -

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 3 minutes.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 4118' total recovery; 1798' slightly oil cut to heavy oil cut
and gas cut mud and oil before reversing out. Fluid reversed out approximately 35% oil
and 65% salt water

Reversed Out ☐ Yes ☒ No Mud Type Premix Viscosity 52 Weight 9.4 Water Loss 20.0 cc. Chlorides 35,000 pp,

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Yes ☐ Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 410

Dual Packer ☐ Yes Did Packers Hold? ☐ Yes ☐ No Where? -

DRILLING CONTRACTOR Xplor Drilling Rig #1 Length Drill Pipe? 4534 Ft. I.D. Drill Pipe 3.0 In. Tool Joint Size 4" FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 247 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 50 Ft.

Remarks: Chlorides checked: 70,000 ppm
80,000 ppm

WESTERN TESTING CO., INC.

Pressure Data

Date 12-9-77 Test Ticket No. 22627

Recorder No. 3351 Capacity 4000 Location 4819

Clock No. 6892 Elevation - Well Temperature -

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2466</u> P.S.I.	Open Tool	<u>11:18A</u> M	
B First Initial Flow Pressure <u>711</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mi
C First Final Flow Pressure <u>1683</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> Mi
D Initial Closed-in Pressure <u>1683</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins	<u>45</u> Mi
E Second Initial Flow Pressure <u>1683</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>90</u> M
F Second Final Flow Pressure <u>1683</u> P.S.I.			
G Final Closed-in Pressure <u>1683</u> P.S.I.			
H Final Hydrostatic Mud <u>2437</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>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>711</u>	<u>0</u>	<u>1683</u>	<u>0</u>	<u>1683</u>	<u>0</u>	<u>1683</u>
P 2 <u>5</u>	<u>950</u>	<u>3</u>	<u>1683</u>	<u>5</u>	<u>1683</u>	<u>3</u>	<u>1683</u>
P 3 <u>10</u>	<u>1155</u>	<u>6</u>	<u>1683</u>	<u>10</u>	<u>1683</u>	<u>6</u>	<u>1683</u>
P 4 <u>15</u>	<u>1407</u>	<u>9</u>	<u>1683</u>	<u>15</u>	<u>1683</u>	<u>9</u>	<u>1683</u>
P 5 <u>20</u>	<u>1565</u>	<u>12</u>	<u>1683</u>	<u>20</u>	<u>1683</u>	<u>12</u>	<u>1683</u>
P 6 <u>25</u>	<u>1645</u>	<u>15</u>	<u>1683</u>	<u>25</u>	<u>1683</u>	<u>15</u>	<u>1683</u>
P 7 <u>30</u>	<u>1683</u>	<u>18</u>	<u>1683</u>	<u>30</u>	<u>1683</u>	<u>18</u>	<u>1683</u>
P 8		<u>21</u>	<u>1683</u>	<u>35</u>	<u>1683</u>	<u>21</u>	<u>1683</u>
P 9		<u>24</u>	<u>1683</u>	<u>40</u>	<u>1683</u>	<u>24</u>	<u>1683</u>
P10		<u>27</u>	<u>1683</u>	<u>45</u>	<u>1683</u>	<u>27</u>	<u>1683</u>
P11		<u>30</u>	<u>1683</u>			<u>30</u>	<u>1683</u>
P12		<u>33</u>	<u>1683</u>			<u>33</u>	<u>1683</u>
P13		<u>36</u>	<u>1683</u>			<u>36</u>	<u>1683</u>
P14		<u>39</u>	<u>1683</u>			<u>39</u>	<u>1683</u>
P15		<u>42</u>	<u>1683</u>			<u>42</u>	<u>1683</u>
P16		<u>45</u>	<u>1683</u>			<u>45</u>	<u>1683</u>
P17		<u>48</u>	<u>1683</u>			<u>48</u>	<u>1683</u>
P18		<u>51</u>	<u>1683</u>			<u>51</u>	<u>1683</u>
P19		<u>54</u>	<u>1683</u>			<u>54</u>	<u>1683</u>
P20		<u>57</u>	<u>1683</u>			<u>57</u>	<u>1683</u>
		<u>60</u>	<u>1683</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date 12-9-77 Test Ticket No. 22627
 Recorder No. 3351 Capacity 4000 Location 4819 Ft.
 Clock No. 6892 Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2466</u> P.S.I.	Open Tool	<u>11:18A</u> M	
B First Initial Flow Pressure	<u>711</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>1683</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1683</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>1683</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1683</u> P.S.I.			
G Final Closed-in Pressure	<u>1683</u> P.S.I.			
H Final Hydrostatic Mud	<u>2437</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>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						60	1683
P 2						63	1683
P 3						66	1683
P 4						69	1683
P 5						72	1683
P 6						75	1683
P 7						78	1683
P 8						81	1683
P 9						84	1683
P10						87	1683
P11						90	1683
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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