

Company Hawkins Oil & Gas, Inc. Lease & Well No. Parsons #1-29
Elevation ----- Formation Indian Cave Effective Pay ----- Ft. Ticket No. 5718
Date 4/9/80 Sec. 29 Twp. 31S Range 9W County Harper State Kansas
Test Approved by David Gould Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 2541 ft. to 2582 ft. Total Depth 2582 ft.

Packer Depth 2536 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2541 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2546 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 2549 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Damac Drilling Rig #1 Drill Collar Length 240 I. D. 2 1/4 in.

Mud Type premix Viscosity 32 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss - cc. Drill Pipe Length 2278 I. D. 4.0 in.

Chlorides 46,000 P.P.M. Test Tool Length 23 ft. Tool Size 3 1/2 in.

Jars: Make - Serial Number - Anchor Length 41 ft. Size 4 1/2 in.

Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Very weak on both flows.

Recovered 90 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:30 ~~A.M.~~ P.M. Time Started Off Bottom 7:00 ~~A.M.~~ P.M. Maximum Temperature ?

Initial Hydrostatic Pressure (A) 1231 P.S.I.

Initial Flow Period 30 Minutes (B) 51 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period 63 Minutes (D) 967 P.S.I.

Final Flow Period 60 Minutes (E) 82 P.S.I. to (F) 89 P.S.I.

Final Closed In Period 69 Minutes (G) 883 P.S.I.

Final Hydrostatic Pressure (H) 1225 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 4/9/80 Test Ticket No. 5718
Recorder No. 11018 Capacity 4425 Location 2546 Ft.
Clock No. --- Elevation ----- Well Temperature -- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1231 P.S.I.	Open Tool	3:30P M	
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	61 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	967 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	82 P.S.I.	Final Closed-in Pressure	60 Mins.	69 Mins.
F Second Final Flow Pressure	89 P.S.I.			
G Final Closed-in Pressure	883 P.S.I.			
H Final Hydrostatic Mud	1225 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>23</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>51</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>89</u>
P 2 <u>5</u>	<u>53</u>	<u>3</u>	<u>367</u>	<u>5</u>	<u>76</u>	<u>3</u>	<u>204</u>
P 3 <u>10</u>	<u>55</u>	<u>6</u>	<u>589</u>	<u>10</u>	<u>76</u>	<u>6</u>	<u>436</u>
P 4 <u>15</u>	<u>57</u>	<u>9</u>	<u>686</u>	<u>15</u>	<u>76</u>	<u>9</u>	<u>560</u>
P 5 <u>20</u>	<u>59</u>	<u>12</u>	<u>743</u>	<u>20</u>	<u>76</u>	<u>12</u>	<u>631</u>
P 6 <u>25</u>	<u>60</u>	<u>15</u>	<u>781</u>	<u>25</u>	<u>76</u>	<u>15</u>	<u>675</u>
P 7 <u>30</u>	<u>61</u>	<u>18</u>	<u>812</u>	<u>30</u>	<u>79</u>	<u>18</u>	<u>696</u>
P 8		<u>21</u>	<u>839</u>	<u>35</u>	<u>81</u>	<u>21</u>	<u>717</u>
P 9		<u>24</u>	<u>856</u>	<u>40</u>	<u>83</u>	<u>24</u>	<u>736</u>
P10		<u>27</u>	<u>869</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>757</u>
P11		<u>30</u>	<u>885</u>	<u>50</u>	<u>86</u>	<u>30</u>	<u>777</u>
P12		<u>33</u>	<u>896</u>	<u>55</u>	<u>87</u>	<u>33</u>	<u>789</u>
P13		<u>36</u>	<u>905</u>	<u>60</u>	<u>89</u>	<u>36</u>	<u>800</u>
P14		<u>39</u>	<u>915</u>			<u>39</u>	<u>811</u>
P15		<u>42</u>	<u>924</u>			<u>42</u>	<u>823</u>
P16		<u>45</u>	<u>934</u>			<u>45</u>	<u>834</u>
P17		<u>48</u>	<u>940</u>			<u>48</u>	<u>841</u>
P18		<u>51</u>	<u>946</u>			<u>51</u>	<u>848</u>
P19		<u>54</u>	<u>952</u>			<u>54</u>	<u>855</u>
P20		<u>57</u>	<u>957</u>			<u>57</u>	<u>861</u>
		<u>60</u>	<u>961</u>			<u>60</u>	<u>867</u>
		<u>63</u>	<u>967</u>				

WESTERN TESTING CO., INC.
Pressure Data

Date 4/9/80 Test Ticket No. 5718
Recorder No. 11018 Capacity 4425 Location 2546 Ft.
Clock No. --- Elevation ---- Well Temperature -- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1231</u> P.S.I.	Open Tool	<u>3:30P</u> M	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>967</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>69</u> Mins.
F Second Final Flow Pressure	<u>89</u> P.S.I.			
G Final Closed-in Pressure	<u>883</u> P.S.I.			
H Final Hydrostatic Mud	<u>1225</u> P.S.I.			

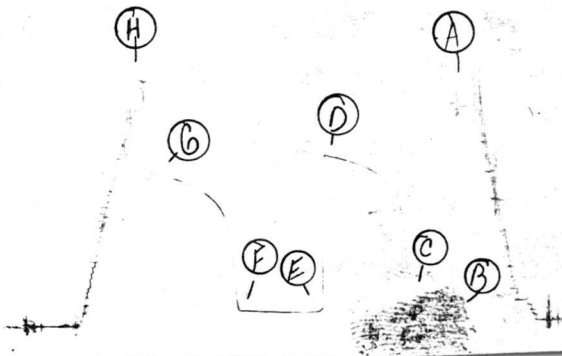
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>23</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>63</u>	<u>874</u>
P 2						<u>66</u>	<u>878</u>
P 3						<u>69</u>	<u>883</u>
P 4							
P 5							
P 6							
P 7							
P 8							
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

11018 - 5778

1257#1

TRK #5718
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Company Hawkins Oil & Gas Company Lease & Well No. Parsons #1-29
Elevation 1677 Derrick Floor Mississippi Effective Pay -- Ft. Ticket No. 5731
Date 4/13/80 Sec. 29 Twp. 31S Range 9W County Harper State Kansas

Test Approved by B. W. Daughtery Western Representative Rod Tritt-Jeff Piotrowski

Formation Test No. 2 Interval Tested from 4453' ft. to 4488' ft. Total Depth 4488' ft.
Packer Depth 4448 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4453 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4457 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4460 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Damac Drilling Rig #1 Drill Collar Length 310 I. D. 2 1/4 in.
Mud Type drispac Viscosity 49 Weight Pipe Length -- I. D. - in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4121 I. D. 3.8 in.
Chlorides 8,500 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number No Anchor Length 35 ft. Size 5 1/2 OD 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 1/2 FH in.

Blow: MISRUN PACKERS DIDN'T HOLD.

Recovered ft. of
Recovered ft. of MISRUN
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

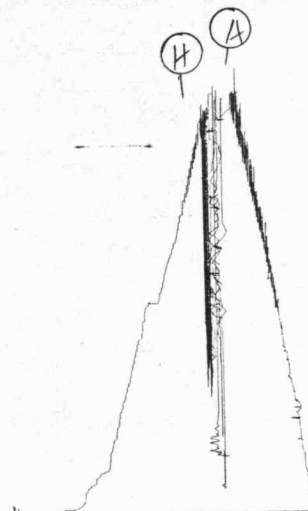
Time Set Packer(s) 5:40 ~~P.M.~~ A.M. Time Started Off Bottom -- ~~P.M.~~ A.M. Maximum Temperature --
Initial Hydrostatic Pressure (A) 2133 P.S.I.
Initial Flow Period Minutes (B) -- P.S.I. to (C) -- P.S.I.
Initial Closed In Period Minutes (D) -- P.S.I.
Final Flow Period Minutes (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period Minutes (G) -- P.S.I.
Final Hydrostatic Pressure (H) 2098 P.S.I.

2606

DS#2

IR# 5731

H A



4832

DS#2

IR# 5731



Company Hawkins Oil & Gas Company Lease & Well No. Parsons #1-29
Elevation 1677 Derrick Floor Formation Mississippi Effective Pay ---- Ft. Ticket No. 5732
Date 4/13/80 Sec. 29 Twp. 31S Range 9W County Harper State Kansas
Test Approved by Charles R. King Western Representative Rod Tritt-Jeff Piotrowski

Formation Test No. 3 Interval Tested from 4475 ft. to 4493 ft. Total Depth 4493 ft.
Packer Depth 4470 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4475 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4479 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4482 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor DaMac Drilling Rig #1 Drill Collar Length 310 I. D. 2 1/4 in.
Mud Type drispac Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4743 I. D. 3.8 in.
Chlorides 85,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 18 ft. Size 5 1/2 OD 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 1/2 FH in.

Blow: Strong blow in ten minutes on initial flow. Strong blow on final flow period.
No gas to surface.

Recovered 160 ft. of heavy oil and gas cut mud

Recovered 3250 ft. of gas in pipe

Recovered - ft. of Bottom sample 15% mud

Recovered - ft. of 20% water

Recovered - ft. of 15% gas

Remarks: 50% oil

Time Set Packer(s) 3:40 A.M. Time Started Off Bottom 7:10 A.M. Maximum Temperature 134°
P.M. P.M.

Initial Hydrostatic Pressure (A) 2324 P.S.I.

Initial Flow Period Minutes 30 (B) 48 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period Minutes 57 (D) 913 P.S.I.

Final Flow Period Minutes 60 (E) 89 P.S.I. to (F) 87 P.S.I.

Final Closed In Period Minutes 60 (G) 562 P.S.I.

Final Hydrostatic Pressure (H) 2138 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/13/80 Recorder No. 2606 Capacity 4150 Test Ticket No. 5732
 Clock No. ----- Elevation 1677 Derrick Floor Location 4479 Ft. 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2324	P.S.I.	3:40P	M
B First Initial Flow Pressure	48	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	44	P.S.I.	60	Mins. 57 Mins.
D Initial Closed-in Pressure	913	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	89	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	87	P.S.I.		
G Final Closed-in Pressure	562	P.S.I.		
H Final Hydrostatic Mud	2138	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>12</u> Inc.		Breakdown: <u>20</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>48</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>89</u>	<u>0</u>	<u>87</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>60</u>	<u>5</u>	<u>87</u>	<u>3</u>	<u>94</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>77</u>	<u>10</u>	<u>87</u>	<u>6</u>	<u>102</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>104</u>	<u>15</u>	<u>87</u>	<u>9</u>	<u>112</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>135</u>	<u>20</u>	<u>87</u>	<u>12</u>	<u>127</u>
P 6 <u>25</u>	<u>44</u>	<u>15</u>	<u>164</u>	<u>25</u>	<u>87</u>	<u>15</u>	<u>139</u>
P 7 <u>30</u>	<u>44</u>	<u>18</u>	<u>198</u>	<u>30</u>	<u>87</u>	<u>18</u>	<u>158</u>
P 8		<u>21</u>	<u>233</u>	<u>35</u>	<u>87</u>	<u>21</u>	<u>179</u>
P 9		<u>24</u>	<u>277</u>	<u>40</u>	<u>87</u>	<u>24</u>	<u>202</u>
P10		<u>27</u>	<u>316</u>	<u>45</u>	<u>87</u>	<u>27</u>	<u>225</u>
P11		<u>30</u>	<u>364</u>	<u>50</u>	<u>87</u>	<u>30</u>	<u>245</u>
P12		<u>33</u>	<u>404</u>	<u>55</u>	<u>87</u>	<u>33</u>	<u>272</u>
P13		<u>36</u>	<u>477</u>	<u>60</u>	<u>87</u>	<u>36</u>	<u>295</u>
P14		<u>39</u>	<u>531</u>			<u>39</u>	<u>326</u>
P15		<u>42</u>	<u>589</u>			<u>42</u>	<u>350</u>
P16		<u>45</u>	<u>655</u>			<u>45</u>	<u>377</u>
P17		<u>48</u>	<u>715</u>			<u>48</u>	<u>406</u>
P18		<u>51</u>	<u>780</u>			<u>51</u>	<u>441</u>
P19		<u>54</u>	<u>846</u>			<u>54</u>	<u>475</u>
P20		<u>57</u>	<u>913</u>			<u>57</u>	<u>512</u>
						<u>60</u>	<u>562</u>

TRK # 5732
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