



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

Company Hawkins Production Co. Lease & Well No. Powell #23
Elevation 830 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 23967
Date 1-15-76 Sec. 17 Twp. 34S Range 14E County Montgomery State Kansas
Test Approved by J.F. Hawkins Jr. Western Representative Norman Allen
Formation Test No. 1 O.K. X Misrun - Interval Tested From 1466' to 1486' Total Depth 1486'
Size Main Hole 6 1/4 Rat Hole - Conv. - B.T. - Damaged - Yes - No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth - Ft. Size - Bottom Packer Depth 1466 Ft. Size 5 1/2
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 20 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 1479 Ft. Clock No. 9103 Depth 1482 Ft. Clock No. 6859
Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 6200 No. 1562 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 9:27 P. M
Tool Open I.F.P. From 9:30P M. to 10:00P M. - Hr. 30 Min. From (B) 36 P.S.I. To (C) 32 P.S.I.
Tool Closed I.C.I.P. From 10:00P M. to 10:30P M. - Hr. 30 Min (D) 52 P.S.I.
Tool Open F.F.P. From 10:30P M. to 11:30P M. - Hr. 60 Min. From (E) 52 P.S.I. To (F) 55 P.S.I.
Tool Closed F.C.I.P. From 11:30P M. to 12:30A M. - Hr. 60 Min. (G) 559 P.S.I.
Initial Hydrostatic Pressure (A) 702 P.S.I. Final Hydrostatic Pressure (H) 677 P.S.I. Maximum Temp. 85

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 7 minutes.

Did Well Flow X GAS Yes - No Recovery Total Ft. 130' Gas cut mud.

Reversed Out - Yes X No Mud Type chem Viscosity 40 Weight 10.6 Water Loss 26 cc. Chlorides 1100 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer no Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR B&N Drllg. Co. Length Drill Pipe? 1361 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 35 Ft.

Remarks: Initial close in pressure failed to record. See attached sheet for gas measurements.

Phone 316 262-5861
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WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 1-15-76 Ticket 23967 Company Hawkins Production Co.
Well Name and No. Powell #23 Dst No. - Interval Tested 1466' to 1486'
County Montgomery State Kansas Sec 17 Twp. 34S Rg. 14E

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
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PRE FLOW

9:50 P.M.	5 min.	8" of water		3/4" choke		40,000 C.F.P.D.
9:55 PM	5 min.	10" of water		3/4" choke		44,800 C.F.P.D.
10:00 PM	5 min.	12" of water		3/4" choke		49,300 C.F.P.D.
Tool on bottom and opened at 9:30 P.M. Gas to surface in 7 minutes.						

SECOND FLOW

10:40 PM	10 min.	20" of water		3/4" choke		63,500 C.F.P.D.
10:50 PM	10 min.	24" of water		3/4" choke		69,500 C.F.P.D.
11:00PM	10 min.	25" of water		3/4" choke		71,000 C.F.P.D.
11:10 PM	10 min.	26" of water		3/4" choke		72,400 C.F.P.D.
11:20 PM	10 min.	26" of water		3/4" choke		72,400 C.F.P.D.
11:30 PM	10 min.	26" of water		3/4" choke		72,400 C.F.P.D.
Gas measurements were taken with a 2" merla orifice well tester through a 3/4" choke.						
Burned gas sample- blue orange flame.						

GAS BOTTLE

Serial No. - Date Bottle Filled 1-15-76 Date to be Invoiced 1-15-76

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 Hawkins Production Co.

Authorized by J.F. Hawkins Jr.

WESTERN TESTING CO., INC.

Pressure Data

Date 1-15-76 Test Ticket No. 23967
 Recorder No. 1558 Capacity 4200 Location 1479 Ft.
 Clock No. 9103 Elevation 830 Ground Level Well Temperature 85 °F

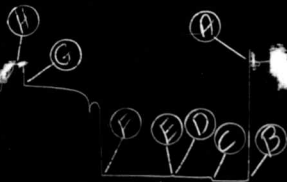
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	702 P.S.I.	Open Tool	9:27 P.M.	
B First Initial Flow Pressure	36 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	32 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	52 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	52 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	55 P.S.I.			
G Final Closed-in Pressure	559 P.S.I.			
H Final Hydrostatic Mud	677 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>36</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>55</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>50</u>	<u>5</u>	<u>52</u>	<u>3</u>	<u>435</u>
P 3 <u>10</u>	<u>32</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>465</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>50</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>460</u>
P 5 <u>20</u>	<u>32</u>	<u>12</u>	<u>50</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>473</u>
P 6 <u>25</u>	<u>32</u>	<u>15</u>	<u>51</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>506</u>
P 7 <u>30</u>	<u>32</u>	<u>18</u>	<u>51</u>	<u>30</u>	<u>55</u>	<u>18</u>	<u>522</u>
P 8		<u>21</u>	<u>51</u>	<u>35</u>	<u>55</u>	<u>21</u>	<u>530</u>
P 9		<u>24</u>	<u>52</u>	<u>40</u>	<u>55</u>	<u>24</u>	<u>535</u>
P10		<u>27</u>	<u>52</u>	<u>45</u>	<u>55</u>	<u>27</u>	<u>540</u>
P11		<u>30</u>	<u>52</u>	<u>50</u>	<u>55</u>	<u>30</u>	<u>543</u>
P12				<u>55</u>	<u>55</u>	<u>33</u>	<u>546</u>
P13				<u>60</u>	<u>55</u>	<u>36</u>	<u>548</u>
P14						<u>39</u>	<u>550</u>
P15						<u>42</u>	<u>552</u>
P16						<u>45</u>	<u>553</u>
P17						<u>48</u>	<u>554</u>
P18						<u>51</u>	<u>554</u>
P19						<u>54</u>	<u>556</u>
P20						<u>57</u>	<u>557</u>
						<u>60</u>	<u>559</u>

TAT# 23967

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