



P. O. BOX 1599      PHONE (316) 838-0601  
**WICHITA, KANSAS 67201**

Company Robert Campbell Oil & Gas Operations Lease & Well No. Lock "A" #1  
 Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 508  
 Date 8/7/78 Sec. 16 Twp. 29S Range 6W County Kingman State Kansas  
 Test Approved by R. B. Jenkins Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4109' ft. to 4123' ft. Total Depth 4123' ft.  
 Packer Depth 4104 ft. Size 6 3/4 in. Packer Depth 4109 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) 4113 ft. Recorder Number 969 Cap. 4150  
 Bottom Recorder Depth (Outside) 4116 ft. Recorder Number 2603 Cap. 4400  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Search Drilling Co. #1 Drill Collar Length -- I. D. -- in.  
 Mud Type premix Viscosity 44 Weight Pipe Length -- I. D. -- in.  
 Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4098 I. D. 3.8 in.  
 Chlorides 12,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make -- Serial Number -- Anchor Length 14 ft. Size 5 1/2 OD in.  
 Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Strong blow throughout flow periods. GAs to surface in nine minutes on pre-flow.  
See attached sheet for gas measurements.

Recovered 95 ft. of drilling mud  
 Recovered 120 ft. of salt water (96,000 PPM)  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:         
      

Time Set Packer(s) 6:50 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 9:40 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 129  
 Initial Hydrostatic Pressure ..... (A) 2044 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 78 P.S.I. to (C) 66 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1364 P.S.I.  
 Final Flow Period ..... Minutes 50 (E) 78 P.S.I. to (F) 89 P.S.I.  
 Final Closed In Period ..... Minutes 45 (G) 1321 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2022 P.S.I.



Home Office: Wichita, Kansas 67201

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### GAS FLOW REPORT

Date 8/7/78 Ticket 508 Company Robert Campbell Oil & Gas Operations  
 Well Name and No. Lock "A" #1 Dst No. 1 Interval Tested 4109' - 4123'  
 County Kingman State Kansas Sec. 16 Twp. 29S 6W Rg.

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
<b>PRE FLOW</b>						
	Gas to surface in nine minutes.					
5 min.	10" of water	3/4" orifice				44,800 CFPD
10 min.	10" water	3/4" orifice				44,800 CFPD
20 min.	10" of water	3/4" orifice				44,800 CFPD

<b>SECOND FLOW</b>						
10 min.	14" of water	3/4" orifice				53,300 CFPD
20 min.	10" of water	3/4" orifice				44,800 CFPD
30 min.	10" of water	3/4" orifice				44,800 CFPD
40 min.	10" of water	3/4" orifice				44,800 CFPD
50 min.	10" of water	3/4" orifice				44,800 CFPD

### GAS BOTTLE

Serial No. \_\_\_\_\_ Date Bottle Filled \_\_\_\_\_ Date to be Invoiced \_\_\_\_\_

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 Robert Campbell Oil & Gas Operations  
 Authorized by R. B. Jinkins

WESTERN TESTING CO., INC.

Pressure Data

Date 8/7/78

Test Ticket No. 508

Recorder No. 969

Capacity 4150

Location 4113 Ft.

Clock No. ----- Elevation -----

Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2048 P.S.I.	Open Tool	6:50 A M	
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	67 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1386 P.S.I.	Second Flow Pressure	50 Mins.	50 Mins.
E Second Initial Flow Pressure	92 P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	106 P.S.I.			
G Final Closed-in Pressure	1351 P.S.I.			
H Final Hydrostatic Mud	2036 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

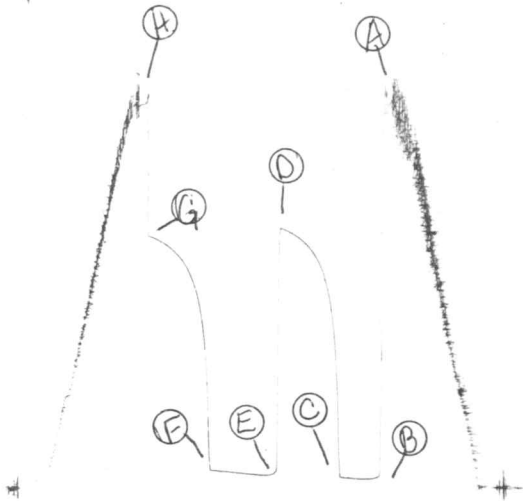
Initial Shut-In  
Breakdown: 16 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Second Flow Pressure  
Breakdown: 10 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Final Shut-In  
Breakdown: 16 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>70</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>106</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>445</u>	<u>5</u>	<u>77</u>	<u>3</u>	<u>461</u>
P 3 <u>10</u>	<u>54</u>	<u>6</u>	<u>736</u>	<u>10</u>	<u>78</u>	<u>6</u>	<u>705</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>943</u>	<u>15</u>	<u>82</u>	<u>9</u>	<u>877</u>
P 5 <u>20</u>	<u>58</u>	<u>12</u>	<u>1055</u>	<u>20</u>	<u>86</u>	<u>12</u>	<u>1005</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>1135</u>	<u>25</u>	<u>90</u>	<u>15</u>	<u>1081</u>
P 7 <u>30</u>	<u>67</u>	<u>18</u>	<u>1189</u>	<u>30</u>	<u>94</u>	<u>18</u>	<u>1137</u>
P 8 _____	_____	<u>21</u>	<u>1227</u>	<u>35</u>	<u>98</u>	<u>21</u>	<u>1183</u>
P 9 _____	_____	<u>24</u>	<u>1262</u>	<u>40</u>	<u>100</u>	<u>24</u>	<u>1220</u>
P10 _____	_____	<u>27</u>	<u>1288</u>	<u>45</u>	<u>104</u>	<u>27</u>	<u>1247</u>
P11 _____	_____	<u>30</u>	<u>1310</u>	<u>50</u>	<u>106</u>	<u>30</u>	<u>1269</u>
P12 _____	_____	<u>33</u>	<u>1328</u>	_____	_____	<u>33</u>	<u>1290</u>
P13 _____	_____	<u>36</u>	<u>1343</u>	_____	_____	<u>36</u>	<u>1306</u>
P14 _____	_____	<u>39</u>	<u>1358</u>	_____	_____	<u>39</u>	<u>1320</u>
P15 _____	_____	<u>42</u>	<u>1371</u>	_____	_____	<u>42</u>	<u>1333</u>
P16 _____	_____	<u>45</u>	<u>1381</u>	_____	_____	<u>45</u>	<u>1343</u>
P17 _____	_____	<u>48</u>	<u>1386</u>	_____	_____	<u>48</u>	<u>1351</u>
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT# 508  
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