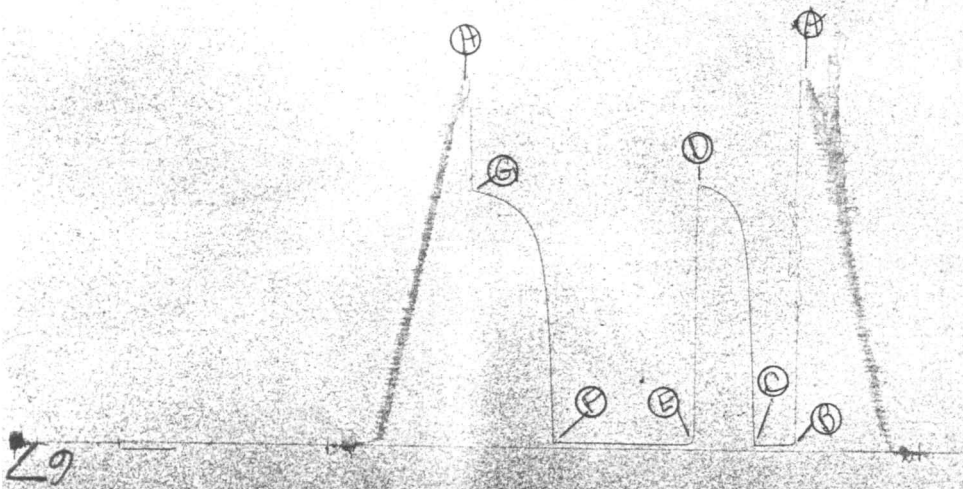


TKT# 24782

I.





Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Calkin #1
Elevation 1545 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticker No. 24782
Date 9-26-77 Sec. 3 Twp. 29S Range 6W County Kingman State Kansas
Test Approved by Innes Phillips Western Representative Vernon Wondra
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4052' to 4071' Total Depth 4071'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 4047 Ft. Size 6 3/4 Bottom Packer Depth 4065 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 4062 Ft. Clock No. 8476 Depth 4065 Ft. Clock No. 6859
Top Make Kuster Cap. 4300 No. 1567 Inside Outside Bottom Make Kuster Cap. 4250 No. 1051 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 12:43A. M
Tool Open I.F.P. From 12:45A M. to 1:15A M. - Hr. 30 Min. From (B) 44 P.S.I. To (C) 32 P.S.I.
Tool Closed I.C.I.P. From 1:15A M. to 2:00A M. - Hr. 45 Min (D) 1482 P.S.I.
Tool Open F.F.P. From 2:00A M. to 3:45A M. - Hr. 105 Min. From (E) 48 P.S.I. To (F) 32 P.S.I.
Tool Closed F.C.I.P. From 3:45A M. to 4:45A M. - Hr. 60 Min. (G) 1435 P.S.I.
Initial Hydrostatic Pressure (A) 2072 P.S.I. Final Hydrostatic Pressure (H) 2050 P.S.I. Maximum Temp. 129

INFORMATION

LOW Strong blow throughout test. Gas to surface in 7 minutes. See attached sheet for
gas measurements.
Did Well Flow ☒ Yes - No Recovery Total Ft. 64' of gas cut mud.
Reversed Out ☐ Yes ☒ No Mud Type Drispac Viscosity 42 Weight 9.2 Water Loss 15.2 cc. Chlorides 40,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size - In. Make - Ser. No. -
Dual Packer ☒ Yes Did Packers Hold? ☒ Yes Did Tool Plug? ☐ No Where? -
DRILLING CONTRACTOR Search Drlg. Co. (#1) Length Drill Pipe? 4031 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 40 Ft.
Remarks: TIGHT HOLE



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

GAS FLOW REPORT

Date 9-26-77 Ticket 24782 Company Robert E. Campbell Oil & Gas Operations
Well Name and No. Calkin #1 Dst No. 1 Interval Tested 4052' - 4071'
County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

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
PRE FLOW						
12:55	10 min.	32" of water		3/4" orifice		80,300 C.F.P.D.
1:00	15 min.	29" of water		3/4" orifice		76,450 C.F.P.D.
1:05	20 min.	28" of water		3/4" orifice		75,100 C.F.P.D.
1:10	25 min.	27" of water		3/4" orifice		73,700 C.F.P.D.
1:15	30 min.	26" of water		3/4" orifice		72,400 C.F.P.D.

SECOND FLOW						
2:05	5 min.	60" of water		3/4" orifice		110,000 C.F.P.D.
2:10	10 min.	37" of water		3/4" orifice		86,300 C.F.P.D.
2:15	15 min.	31" of water		3/4" orifice		79,550 C.F.P.D.
2:20	20 min.	28" of water		3/4" orifice		75,100 C.F.P.D.
2:25	25 min.	26" of water		3/4" orifice		72,400 C.F.P.D.
2:30	30 min.	26" of water		3/4" orifice		72,400 C.F.P.D.
2:35	35 min.	25" of water		3/4" orifice		70,950 C.F.P.D.
2:40	40 min.	25" of water		3/4" orifice		70,950 C.F.P.D.
2:45	45 min.	25" of water		3/4" orifice		70,950 C.F.P.D.
2:50	50 min.	24" of water		3/4" orifice		69,500 C.F.P.D.
2:55	55 min.	24" of water		3/4" orifice		69,500 C.F.P.D.
3:00	60 min.	23" of water		3/4" orifice		69,500 C.F.P.D.

Cont. on next page

Cont. on next ~~GAS~~ BOTTLE

Cont. on next page

Serial No. 634 Date Bottle Filled 9-26-77 Date to be Invoiced 9-26-77

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 E. Campbell Oil & Gas Operations

Authorized by James Phillips



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

GAS FLOW REPORT

Date 9-26-77 Ticket 24782 Company Robert E. Campbell Oil & Gas Operations
Well Name and No. Calkin #1 Dst No. 1 Interval Tested 4052' - 4071'
County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

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
PRE FLOW						

SECOND FLOW						
3:05	65 min.	23" of water		3/4" orifice		69,500 C.F.P.D.
3:10	70 min.	23" of water		3/4" orifice		69,500 C.F.P.D.
3:15	75 min.	23" of water		3/4" orifice		69,500 C.F.P.D.
3:20	80 min.	23" of water		3/4" orifice		68,050 C.F.P.D.
3:25	85 min.	21" of water		3/4" orifice		65,000 C.F.P.D.
3:30	90 min.	21" of water		3/4" orifice		65,000 C.F.P.D.
3:35	95 min.	21" of water		3/4" orifice		65,000 C.F.P.D.
3:40	100 min.	21" of water		3/4" orifice		65,000 C.F.P.D.
3:45	105 min.	21" of water		3/4" orifice		65,000 C.F.P.D.

GAS BOTTLE

Serial No. 634 Date Bottle Filled 9-26-77 Date to be Invoiced 9-26-77

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 E. Campbell Gas & Oil Operati

Authorized by Innes Phillips

WESTERN TESTING CO., INC.

Pressure Data

Date 9-26-77 Test Ticket No. 24782

Recorder No. 1567 Capacity 4300 Location 4062 Ft.

Clock No. 8476 Elevation 1545 Kelly Bushing Well Temperature 129 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2072</u> P.S.I.	<u>12:43A</u> M	
B First Initial Flow Pressure	<u>44</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>32</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1482</u> P.S.I.	<u>105</u> Mins.	<u>105</u> Mins.
E Second Initial Flow Pressure	<u>48</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>32</u> P.S.I.		
G Final Closed-in Pressure	<u>1435</u> P.S.I.		
H Final Hydrostatic Mud	<u>2050</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>20</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a 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>44</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>32</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>623</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>552</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>1037</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>844</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>1209</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>1030</u>
P 5 <u>20</u>	<u>32</u>	<u>12</u>	<u>1289</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>1129</u>
P 6 <u>25</u>	<u>32</u>	<u>15</u>	<u>1340</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>1192</u>
P 7 <u>30</u>	<u>32</u>	<u>18</u>	<u>1376</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>1239</u>
P 8		<u>21</u>	<u>1402</u>	<u>35</u>	<u>30</u>	<u>21</u>	<u>1276</u>
P 9		<u>24</u>	<u>1422</u>	<u>40</u>	<u>30</u>	<u>24</u>	<u>1303</u>
P10		<u>27</u>	<u>1438</u>	<u>45</u>	<u>30</u>	<u>27</u>	<u>1326</u>
P11		<u>30</u>	<u>1451</u>	<u>50</u>	<u>30</u>	<u>30</u>	<u>1345</u>
P12		<u>33</u>	<u>1461</u>	<u>55</u>	<u>31</u>	<u>33</u>	<u>1362</u>
P13		<u>36</u>	<u>1469</u>	<u>60</u>	<u>31</u>	<u>36</u>	<u>1375</u>
P14		<u>39</u>	<u>1479</u>	<u>65</u>	<u>31</u>	<u>39</u>	<u>1384</u>
P15		<u>42</u>	<u>1482</u>	<u>70</u>	<u>31</u>	<u>42</u>	<u>1393</u>
P16				<u>75</u>	<u>32</u>	<u>45</u>	<u>1403</u>
P17				<u>80</u>	<u>32</u>	<u>48</u>	<u>1414</u>
P18				<u>85</u>	<u>32</u>	<u>51</u>	<u>1418</u>
P19				<u>90</u>	<u>32</u>	<u>54</u>	<u>1425</u>
P20				<u>95</u>	<u>32</u>	<u>57</u>	<u>1431</u>
				<u>100</u>	<u>32</u>	<u>60</u>	<u>1435</u>
				<u>105</u>	<u>32</u>		