



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o *5639*

Elevation _____ Formation *Miss* Eff. Pay _____ Ft.

District *Pratt* Date *3/13/80* Customer Order No. _____
COMPANY NAME *Robert E Campbell Oil & Gas Operations*

ADDRESS *Suite 118 269 N Rock Road Wichita, KS*

LEASE AND WELL NO. *Allard #1* COUNTY *Kingman* STATE *Ks* Sec. *35* Twp. *30S* Rge. *8W*

Mail Invoice To *Same* Co. Name _____ Address _____ No. Copies Requested *5*

Mail Charts To *Same* Address _____ No. Copies Requested *5*

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.

Packer Depth *4400* ft. Size *6 3/4* in. Packer Depth _____ ft. Size _____ in.

Packer Depth *4405* ft. Size *6 3/4* in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) *4408* ft. Recorder Number *2607* Cap. *4150*

Bottom Recorder Depth (Outside) *4411* ft. Recorder Number *3351* Cap. *4000*

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

Drilling Contractor *Eagle Drilling Rig #1* Drill Collar Length _____ I. D. _____ in.

Mud Type *Starch* Viscosity *47* Weight Pipe Length *380* I. D. *2.7* in.

Weight *9.2* Water Loss *12.0* cc. Drill Pipe Length *4004* I. D. *3.8* in.

Chlorides *15,500* P.P.M. Test Tool Length *21* ft. Tool Size *3 3/8* in.

Jars: Make _____ Serial Number _____ Anchor Length *12* ft. Size *5 3/8* in.

Did Well Flow? *Yes* Reversed Out *No* Surface Choke Size *3 1/4* in. Bottom Choke Size *3 1/4* in.

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

Blow: *Strong blow throughout flow periods*

Gas to surface in 26 min on preflow

Recovered *270* ft. of *Oil & Gas Cut Mud*

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) *8:35* A.M. Time Started Off Bottom *12:20* A.M. Maximum Temperature *120°*

Initial Hydrostatic Pressure _____ (A) *2172* P.S.I.

Initial Flow Period _____ Minutes (B) *52* P.S.I. to (C) *73* P.S.I.

Initial Closed In Period _____ Minutes (D) *1395* P.S.I.

Final Flow Period _____ Minutes (E) *63* P.S.I. to (F) *84* P.S.I.

Final Closed In Period _____ Minutes (G) *1416* P.S.I.

Final Hydrostatic Pressure _____ (H) *2151* P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By *Calvin Noah*
Signature of Customer or his authorized representative

Western Representative *Jim Wondra Thank you*

FIELD INVOICE

Open Hole Test \$ *1550.00*
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____

TOTAL \$ *550.00*



GAS FLOW REPORT

N^o 1898

Date 3/13/80 Ticket # 5639 Company Robert Campbell
 Well Name and No. Alldrift #1 Dst No. 1 Interval Tested 4405-4417
 County Kingman State Ks Sec. 35 Twp. 30 Rg. 8

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
30	11 H ₂ O	1/2"			20,900 C.F.P.D
35	13"	"			22,800 " "

SECOND FLOW

5	24 H ₂ O	1/2"			30,700 C.F.P.D
10	20"	"			28,000 " "
20	"	"			" "
30	22"	"			29,400 " "
40	"	"			" "
50	"	"			" "
60	"	"			" "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

3-13-88

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 _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 5639
 Location 4408 Ft.
 Capacity 4150
 Well Temperature 120 °F
 Elevation -
 Order No. 2607
 Job No. 3-13-80
 Unit int

	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	<u>233</u>			<u>8:35</u> P.M.	
First Initial Flow Pressure	<u>70</u>	P.S.I.	First Flow Pressure	<u>35</u> Mins.	<u>35</u> Mins.
First Final Flow Pressure	<u>80</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
Initial Closed-in Pressure	<u>1406</u>	P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Second Initial Flow Pressure	<u>70</u>	P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
Second Final Flow Pressure	<u>93</u>	P.S.I.			
Final Closed-in Pressure	<u>1438</u>	P.S.I.			
Final Hydrostatic Mud	<u>2278</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>13</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	Press.	Point	Press.	Point	Press.	Point	Press.
ins.		Minutes		Minutes		Minutes	
1	<u>0</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>70</u>	<u>0</u>	<u>93</u>
2	<u>5</u>	<u>3</u>	<u>307</u>	<u>5</u>	<u>72</u>	<u>3</u>	<u>483</u>
3	<u>10</u>	<u>6</u>	<u>614</u>	<u>10</u>	<u>72</u>	<u>6</u>	<u>800</u>
4	<u>15</u>	<u>9</u>	<u>847</u>	<u>15</u>	<u>73</u>	<u>9</u>	<u>994</u>
5	<u>20</u>	<u>12</u>	<u>998</u>	<u>20</u>	<u>76</u>	<u>12</u>	<u>1105</u>
6	<u>25</u>	<u>15</u>	<u>1115</u>	<u>25</u>	<u>78</u>	<u>15</u>	<u>1178</u>
7	<u>30</u>	<u>18</u>	<u>1196</u>	<u>30</u>	<u>80</u>	<u>18</u>	<u>1222</u>
8	<u>35</u>	<u>21</u>	<u>1253</u>	<u>35</u>	<u>82</u>	<u>21</u>	<u>1259</u>
9	<u>40</u>	<u>24</u>	<u>1291</u>	<u>40</u>	<u>84</u>	<u>24</u>	<u>1288</u>
10	<u>45</u>	<u>27</u>	<u>1318</u>	<u>45</u>	<u>87</u>	<u>27</u>	<u>1311</u>
11	<u>50</u>	<u>30</u>	<u>1343</u>	<u>50</u>	<u>89</u>	<u>30</u>	<u>1328</u>
12	<u>55</u>	<u>33</u>	<u>1362</u>	<u>55</u>	<u>91</u>	<u>33</u>	<u>1343</u>
13	<u>60</u>	<u>36</u>	<u>1374</u>	<u>60</u>	<u>93</u>	<u>36</u>	<u>1357</u>
14	<u>65</u>	<u>39</u>	<u>1389</u>	<u>65</u>	<u>95</u>	<u>39</u>	<u>1364</u>
15	<u>70</u>	<u>42</u>	<u>1397</u>	<u>70</u>	<u>97</u>	<u>42</u>	<u>1372</u>
16	<u>75</u>	<u>45</u>	<u>1406</u>	<u>75</u>	<u>99</u>	<u>45</u>	<u>1380</u>
17	<u>80</u>	<u>48</u>	<u>1414</u>	<u>80</u>	<u>101</u>	<u>48</u>	<u>1389</u>
18	<u>85</u>	<u>51</u>	<u>1422</u>	<u>85</u>	<u>103</u>	<u>51</u>	<u>1395</u>
19	<u>90</u>	<u>54</u>	<u>1430</u>	<u>90</u>	<u>105</u>	<u>54</u>	<u>1399</u>
20	<u>95</u>	<u>57</u>	<u>1438</u>	<u>95</u>	<u>107</u>	<u>57</u>	<u>1403</u>
		<u>60</u>	<u>1446</u>		<u>109</u>	<u>60</u>	<u>1408</u>

Cont'd

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 5639

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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		63				63	1412
P 2		66				66	1416
P 3		69				69	1420
P 4		72				72	1423
P 5		75				75	1427
P 6		78				78	1429
P 7		81				81	1431
P 8		84				84	1435
P 9		87				87	1437
P10		90				90	1438
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Alldritt #1

Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 5639

Date 3/13/80 Sec. 35 Twp. 30S Range 8W County Kingman State Kansas

Test Approved by Calvin Noah Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4405 ft. to 4417 ft. Total Depth 4417 ft.

Packer Depth 4400 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4405 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4408 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4411 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Eagle Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 47 Weight Pipe Length 380 I. D. 2.7 in.

Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 4004 I. D. 3.8 in.

Chlorides 15,500 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number - Anchor Length 12 ft. Size 5 1/2 OD in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 1 1/2 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 throughout flow periods. Gas to surface in twenty-six minutes on pre-flow.

See attached sheet for gas measurements.

Recovered 270 ft. of oil and gas cut mud

Recovered - ft. of Top : 15% oil

Recovered - ft. of Middle : 18% oil

Recovered - ft. of Bottom : 28% oil

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 8:35 A.M. Time Started Off Bottom 12:20 P.M. Maximum Temperature 120°

Initial Hydrostatic Pressure 2331 P.S.I. (A)

Initial Flow Period 35 Minutes (B) 70 P.S.I. to (C) 80 P.S.I.

Initial Closed In Period 45 Minutes (D) 1406 P.S.I.

Final Flow Period 60 Minutes (E) 70 P.S.I. to (F) 93 P.S.I.

Final Closed In Period 90 Minutes (G) 1438 P.S.I.

Final Hydrostatic Pressure 2278 P.S.I. (H)

GAS FLOW REPORT

Date 3/13/80 Ticket 5639 Company Robert E. Campbell Oil & Gas Operations
 Well Name and No. Alldritt #1 Dst No. 1 Interval Tested 4405'-4417'
 County Kingman State Kansas Sec. 35 Twp 30S Rg. 8W

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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Gas to surface in 26 minutes.

PRE FLOW

	30 min.	11" of water	1/2" orifice			20,900 CFPD
	35 min.	13" of water	1/2" orifice			22,800 CFPD

SECOND FLOW

	5 min.	24" of water	1/2" orifice			30,700 CFPD
	10 min.	20" of water	1/2" orifice			28,000 CFPD
	20 min.	20" of water	1/2" orifice			28,000 CFPD
	30 min.	22" of water	1/2" orifice			29,400 CFPD
	40 min.	22" of water	1/2" orifice			29,400 CFPD
	50 min.	22" of water	1/2" orifice			29,400 CFPD
	60 min.	22" of water	1/2" orifice			29,400 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/13/80

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 1/2% per month, equal to 18% 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 Calvin Noah

WESTERN TESTING CO., INC.

Pressure Data

Date 3/13/80 Test Ticket No. 5639
 Recorder No. 2607 Capacity 4150 Location 4408 Ft.
 Clock No. ----- Elevation ----- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2331 P.S.I.	Open Tool	8:35 P	M
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	35 Mins.	35 Mins.
C First Final Flow Pressure	80 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1406 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	93 P.S.I.			
G Final Closed-in Pressure	1438 P.S.I.			
H Final Hydrostatic Mud	2278 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</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 0	70	0	80	0	70	0	93
P 2 5	65	3	307	5	72	3	483
P 3 10	65	6	614	10	72	6	800
P 4 15	65	9	847	15	73	9	994
P 5 20	70	12	998	20	76	12	1105
P 6 25	74	15	1115	25	78	15	1178
P 7 30	78	18	1196	30	80	18	1222
P 8 35	80	21	1253	35	82	21	1259
P 9		24	1291	40	84	24	1288
P10		27	1318	45	87	27	1311
P11		30	1343	50	89	30	1328
P12		33	1362	55	91	33	1343
P13		36	1374	60	93	36	1357
P14		39	1389			39	1364
P15		42	1397			42	1372
P16		45	1406			45	1380
P17						48	1389
P18						51	1395
P19						54	1399
P20						57	1403
						60	1408

WESTERN TESTING CO., INC.

Pressure Data

Date 3/13/80 Recorder No. 2607 Capacity 4150 Test Ticket No. 5639 Location 4408 Ft.
 Clock No. ----- Elevation ----- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2331</u> P.S.I.	Open Tool	<u>8:35P.</u> M	
B First Initial Flow Pressure	<u>70</u> P.S.I.	First Flow Pressure	<u>35</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>80</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1406</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>70</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>93</u> P.S.I.			
G Final Closed-in Pressure	<u>1438</u> P.S.I.			
H Final Hydrostatic Mud	<u>2278</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</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>63</u>	<u>1412</u>
P 2						<u>66</u>	<u>1416</u>
P 3						<u>69</u>	<u>1420</u>
P 4						<u>72</u>	<u>1423</u>
P 5						<u>75</u>	<u>1427</u>
P 6						<u>78</u>	<u>1429</u>
P 7						<u>81</u>	<u>1431</u>
P 8						<u>84</u>	<u>1435</u>
P 9						<u>87</u>	<u>1437</u>
P10						<u>90</u>	<u>1438</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Plot # 5639
I.

