



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

WESTERN TESTING CO., INC. FORMATION TESTING

TICKET NO 6676

Elevation 1911 G.L. Formation Miss. Eff. Pay Ft.

District PRATT Date 6-24-80 Customer Order No.

COMPANY NAME PAN-WESTERN PETROLEUM, INC.

ADDRESS 1408 Anglin Bldg. Wichita, Ks.

LEASE AND WELL NO. Swisher #1 COUNTY PRATT STATE Ks. Sec. 30 Twp 27S Rge 13W

Mail Invoice To SAME Co. Name Address No. Copies Requested Req

Mail Charts To SAME one copy to Elster Address No. Copies Requested Req

Formation Test No. 1 Interval Tested from 4227 ft. to 4311 ft. Total Depth 4311 ft.

Packer Depth 4222 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4227 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4231 ft.

Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4234 ft.

Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor GABBERT & SONES #6

Drill Collar Length 120 I. D. 2.2 in.

Mud Type DRISPAE Viscosity 48

Weight Pipe Length I. D. in.

Weight 9.4 Water Loss 16.0 cc.

Drill Pipe Length 4087 I. D. 3.8 in.

Chlorides 15,000 P.P.M.

Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Jars: Make Serial Number

Anchor Length 600.0 + 24 ft. Size 5 1/2 O.D. 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 F.H. in.

Blow: weak - dying 40 min. Initial Flow Period - weak
Blow during Final Flow dying 20 min.

Recovered 65 ft. of Gas cut drill mud

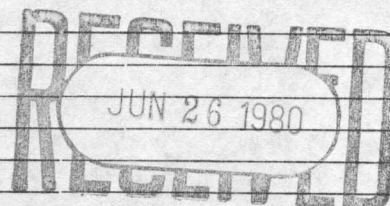
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



ON LOCATION Two P.M. - Pick up Tool 9:00 P.M. OFF LOCATION

Time Set Packer(s) 10:37 A.M. P.M. Time Started Off Bottom 2:07 A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure (A) 2031 P.S.I.

Initial Flow Period Minutes 45 (B) 42 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 60 (D) 117 P.S.I.

Final Flow Period Minutes 45 (E) 53 P.S.I. to (F) 42 P.S.I.

Final Closed In Period Minutes 60 (G) 117 P.S.I.

Final Hydrostatic Pressure (H) 2010 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 Jay Elster
Signature of Customer or his authorized representative

Western Representative Dave Sloan

Thank you

FIELD INVOICE

Open Hole Test \$ ✓ 600.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage 5x75 \$ ✓ 375

Fluid Sampler \$

Extra Charts \$

TOTAL \$ 603.75

WESTERN TESTING CO., INC.

Pressure Data

Date 6-24 Test Ticket No. 6676
 Recorder No. 2604 Capacity 4150 Location 4231 Ft.
 Clock No. — Elevation 1911 Well Temperature 128 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2126 P.S.I. Open Tool 10:37 P M
 B First Initial Flow Pressure 71 P.S.I. First Flow Pressure 45 Mins. 45 Mins.
 C First Final Flow Pressure 39 P.S.I. Initial Closed-in Pressure 60 Mins. 54 Mins.
 D Initial Closed-in Pressure 117 P.S.I. Second Flow Pressure 45 Mins. 45 Mins.
 E Second Initial Flow Pressure 61 P.S.I. Final Closed-in Pressure 60 Mins. Mins.
 F Second Final Flow Pressure 53 P.S.I.
 G Final Closed-in Pressure 126 P.S.I.
 H Final Hydrostatic Mud 2021 P.S.I.

PRESSURE BREAKDOWN

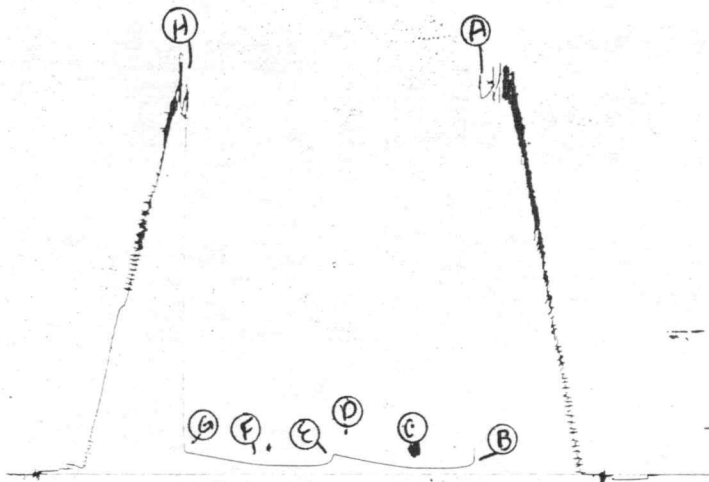
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>—</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> 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	<u>71</u>	0	<u>39</u>	0	<u>61</u>	0	<u>53</u>
P 2 5	<u>50</u>	3	<u>45</u>	5	<u>57</u>	3	<u>53</u>
P 3 10	<u>43</u>	6	<u>50</u>	10	<u>55</u>	6	<u>59</u>
P 4 15	<u>39</u>	9	<u>53</u>	15	<u>53</u>	9	<u>62</u>
P 5 20	<u>39</u>	12	<u>59</u>	20	<u>—</u>	12	<u>64</u>
P 6 25	<u>39</u>	15	<u>62</u>	25	<u>—</u>	15	<u>68</u>
P 7 30	<u>39</u>	18	<u>66</u>	30	<u>—</u>	18	<u>73</u>
P 8 35	<u>1</u>	21	<u>70</u>	35	<u>—</u>	21	<u>77</u>
P 9 40	<u>1</u>	24	<u>75</u>	40	<u>—</u>	24	<u>79</u>
P10 45	<u>39</u>	27	<u>79</u>	45	<u>53</u>	27	<u>85</u>
P11 50	<u>—</u>	30	<u>83</u>	50	<u>—</u>	30	<u>90</u>
P12 55	<u>—</u>	33	<u>86</u>	55	<u>—</u>	33	<u>94</u>
P13 60	<u>—</u>	36	<u>92</u>	60	<u>—</u>	36	<u>98</u>
P14	<u>—</u>	39	<u>96</u>	65	<u>—</u>	39	<u>102</u>
P15	<u>—</u>	42	<u>100</u>	70	<u>—</u>	42	<u>105</u>
P16	<u>—</u>	45	<u>104</u>	75	<u>—</u>	45	<u>108</u>
P17	<u>—</u>	48 <u>110</u>	<u>109</u>	80	<u>—</u>	48	<u>114</u>
P18	<u>—</u>	51 <u>115</u>	<u>115</u>	85	<u>—</u>	51	<u>117</u>
P19	<u>—</u>	54 <u>117</u>	<u>117</u>	90	<u>—</u>	54	<u>120</u>
P20	<u>—</u>	57	<u>—</u>		<u>—</u>	57	<u>124</u>
	<u>—</u>	60	<u>—</u>		<u>—</u>	60	<u>126</u>

2604

JKT # 6676

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PAN-WESTERN
SWITCH #1
DST 1



Company Pan-Western Petroleum, Inc. Lease & Well No. Swisher #1
Elevation 1911 G.L. Formation Mississippi Effective Pay _____ Ft. Ticket No. 6676
Date 6-24-80 Sec. 30 Twp. 27 S Range 13 W County Pratt State Kansas
Test Approved by Joey Elster Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 4227 ft. to 4311 ft. Total Depth 4311 ft.

Packer Depth 4222 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4227 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4231 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4234 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Grabbert & Jones #6 Drill Collar Length 120 I. D. 2.2 in.

Mud Type Driscac Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 4087 I. D. 3.8 in.

Chlorides 15,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Jars: Make _____ Serial Number _____ Anchor Length 60 D.C. + 24 ft. Size 5 1/2 O.D. 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 F.H. in.

Blow: Weak--dying in 40 minutes on initial flow period.

Weak blow during final flow dying in 20 minutes.

Recovered 65 ft. of gas cut drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:37 ~~XX~~ P.M. Time Started Off Bottom 2:07 ~~AM~~ P.M. Maximum Temperature 128°

Initial Hydrostatic Pressure _____ (A) 2126 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 71 P.S.I. to (C) 39 P.S.I.

Initial Closed In Period _____ Minutes 54 (D) 117 P.S.I.

Final Flow Period _____ Minutes 45 (E) 61 P.S.I. to (F) 53 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 126 P.S.I.

Final Hydrostatic Pressure _____ (H) 2021 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-24-80

Test Ticket No. 6676

Recorder No. 2604

Capacity 4150

Location 4231 Ft.

Clock No. _____ Elevation 1911 G.L.

Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2126	P.S.I.	10:37 P M	
B First Initial Flow Pressure	71	P.S.I.	45 Mins.	45 Mins.
C First Final Flow Pressure	39	P.S.I.	60 Mins.	54 Mins.
D Initial Closed-in Pressure	117	P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	61	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	53	P.S.I.		
G Final Closed-in Pressure	126	P.S.I.		
H Final Hydrostatic Mud	2021	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>9</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>71</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>53</u>
P 2 <u>5</u>	<u>50</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>57</u>	<u>3</u>	<u>53</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>59</u>
P 4 <u>15</u>	<u>39</u>	<u>9</u>	<u>53</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>62</u>
P 5 <u>20</u>	<u>39</u>	<u>12</u>	<u>59</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>64</u>
P 6 <u>25</u>	<u>39</u>	<u>15</u>	<u>62</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>68</u>
P 7 <u>30</u>	<u>39</u>	<u>18</u>	<u>66</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>73</u>
P 8 <u>35</u>	<u>39</u>	<u>21</u>	<u>70</u>	<u>35</u>	<u>53</u>	<u>21</u>	<u>77</u>
P 9 <u>40</u>	<u>39</u>	<u>24</u>	<u>75</u>	<u>40</u>	<u>53</u>	<u>24</u>	<u>79</u>
P10 <u>45</u>	<u>39</u>	<u>27</u>	<u>79</u>	<u>45</u>	<u>53</u>	<u>27</u>	<u>85</u>
P11 _____	_____	<u>30</u>	<u>83</u>	_____	_____	<u>30</u>	<u>90</u>
P12 _____	_____	<u>33</u>	<u>86</u>	_____	_____	<u>33</u>	<u>94</u>
P13 _____	_____	<u>36</u>	<u>92</u>	_____	_____	<u>36</u>	<u>98</u>
P14 _____	_____	<u>39</u>	<u>96</u>	_____	_____	<u>39</u>	<u>102</u>
P15 _____	_____	<u>42</u>	<u>100</u>	_____	_____	<u>42</u>	<u>105</u>
P16 _____	_____	<u>45</u>	<u>104</u>	_____	_____	<u>45</u>	<u>108</u>
P17 _____	_____	<u>48</u>	<u>110</u>	_____	_____	<u>48</u>	<u>114</u>
P18 _____	_____	<u>51</u>	<u>115</u>	_____	_____	<u>51</u>	<u>117</u>
P19 _____	_____	<u>54</u>	<u>117</u>	_____	_____	<u>54</u>	<u>120</u>
P20 _____	_____	<u>57</u>	_____	_____	_____	<u>57</u>	<u>124</u>
		<u>60</u>	_____			<u>60</u>	<u>126</u>



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 6677

Elevation 1911 G.L. Formation Miss. Eff. Pay Ft.

District PRATT Date 6-25-80 Customer Order No.

COMPANY NAME PAN-LOWESTERN PETROLEUM, INC.

ADDRESS 1408 Douglas Building - Wichita, Ks.

LEASE AND WELL NO. Swisher #1 COUNTY PRATT STATE KS. Sec. 30 Twp. 27S Rge. 13W

Mail Invoice To Same Swisher #1 Co. Name Address No. Copies Requested Reg.

Mail Charts To Same Address No. Copies Requested Reg.

Formation Test No. 2 Interval Tested from 4305 ft. to 4400 ft. Total Depth 4400 ft.

Packer Depth 4300 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4305 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4309 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4312 ft. Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Gabbett & Sons #84 Drill Collar Length 120 I. D. 2 1/2 in.

Mud Type DRISPAK Viscosity 41 Weight Pipe Length I. D. in.

Weight 9.3 Water Loss 27.2 cc. Drill Pipe Length 4165 I. D. 3.8 in.

Chlorides 17,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Jars: Make Serial Number Anchor Length 60' D.C. + 35 ft. Size 5 1/2 O.D. 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 in.

Blow: WEAK - dying 10 min. INITIAL Flow PERIOD

Recovered 65 ft. of slightly Gas cut DRly mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Flushed Tool AFTER 15 min. INITIAL Flow - Blow died 8 min.

ON Location 6:00 pm - pick up tool 7:00 p.m. OFF Location 3:30 pm

Time Set Packer(s) 9:00 P.M. Time Started Off Bottom 12:10 A.M. Maximum Temperature 131

Initial Hydrostatic Pressure (A) 2031 P.S.I.

Initial Flow Period Minutes 40 (B) 53 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period Minutes 60 (D) 1401 P.S.I.

Final Flow Period Minutes 30 (E) 53 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 60 (G) 1369 P.S.I.

Final Hydrostatic Pressure (H) 2010 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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

TOTAL \$ 600.00

WESTERN TESTING CO., INC.

Pressure Data

Tan Western

Date 6-25 Test Ticket No. 6677

Recorder No. 2604 Capacity 4150 Location 1309 Ft.

Clock No. — Elevation 1911 Well Temperature 131 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2021</u> P.S.I.		<u>9:00 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>77</u> P.S.I.	First Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>57</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1433</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>73</u> P.S.I.			
G Final Closed-in Pressure	<u>1397</u> P.S.I.			
H Final Hydrostatic Mud	<u>2017</u> P.S.I.			

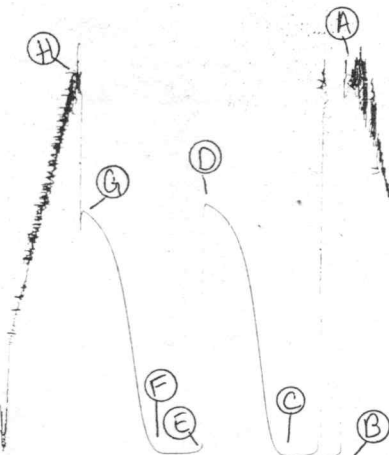
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</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>77</u>	0	<u>57</u>	0	<u>96</u>	0	<u>73</u>
P 2	<u>55</u>	3	<u>72</u>	5	<u>79</u>	3	<u>92</u>
P 3	<u>47</u>	6	<u>105</u>	10	<u>73</u>	6	<u>120</u>
P 4	<u>Flushed tool</u>	9	<u>170</u>	15	<u>73</u>	9	<u>166</u>
P 5	<u>68</u>	12	<u>295</u>	20	<u>73</u>	12	<u>247</u>
P 6	<u>61</u>	15	<u>453</u>	25	<u>73</u>	15	<u>265</u>
P 7	<u>57</u>	18	<u>596</u>	30	<u>73</u>	18	<u>517</u>
P 8	<u>57</u>	21	<u>730</u>	35		21	<u>680</u>
P 9	<u>57</u>	24	<u>862</u>	40		24	<u>793</u>
P10		27	<u>983</u>	45		27	<u>899</u>
P11		30	<u>1084</u>	50		30	<u>1008</u>
P12		33	<u>1165</u>	55		33	<u>1086</u>
P13		36	<u>1232</u>	60		36	<u>1165</u>
P14		39	<u>1278</u>	65		39	<u>1222</u>
P15		42	<u>1320</u>	70		42	<u>1270</u>
P16		45	<u>1349</u>	75		45	<u>1301</u>
P17		48	<u>1395</u>	80		48	<u>1330</u>
P18		51	<u>1412</u>	85		51	<u>1356</u>
P19		54	<u>1424</u>	90		54	<u>1376</u>
P20		57	<u>1433</u>			57	<u>1389</u>
		60				60	<u>1397</u>

2604

PAN-WESTERN
SWITCH #1
DST 2

TKT # 6677
I



Company Pan-Western Petroleum, Inc. Lease & Well No. Swisher #1
 Elevation 1911 Ground Level Mississippi Formation Effective Pay ---- Ft. Ticket No. 6677
 Date 6/25/80 Sec. 30 Twp. 27S Range 13W County Pratt State Kansas
 Test Approved by Toby Elster Western Representative Dave Sloan
 Formation Test No. 2 Interval Tested from 4305 ft. to 4400 ft. Total Depth 4400 ft.
 Packer Depth 4300 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4305 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4309 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 4312 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -
 Drilling Contractor Gabbert-Jones Rig #6 Drill Collar Length 120 I. D. 2.2 in.
 Mud Type drispa viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 27.2 cc. Drill Pipe Length 4165 I. D. 3.8 in.
 Chlorides 17,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number - Anchor Length 60' DC +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: Weak ; dying ten minutes into initial flow period.

Recovered 65 ft. of slightly gas cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Flushed tool after fifteen minutes in initial flow ; blow died eight minutes.

Time Set Packer(s) 9:00 ~~A.M.~~ P.M. Time Started Off Bottom 12:10 ~~A.M.~~ P.M. Maximum Temperature 131°
 Initial Hydrostatic Pressure (A) 2021 P.S.I.
 Initial Flow Period Minutes 40 (B) 77 P.S.I. to (C) 57 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1433 P.S.I.
 Final Flow Period Minutes 30 (E) 96 P.S.I. to (F) 73 P.S.I.
 Final Closed In Period Minutes 60 (G) 1397 P.S.I.
 Final Hydrostatic Pressure (H) 2017 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-25-80 Test Ticket No. 6677
 Recorder No. 2604 Capacity 4150 Location 4309 Ft.
 Clock No. - Elevation 1911 G1 Well Temperature 131 °F

Point	Pressure		Time Given 9:00P	Time Computed
A Initial Hydrostatic Mud	<u>2021</u> P.S.I.	Open Tool	<u>M</u>	
B First Initial Flow Pressure	<u>77</u> P.S.I.	First Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>57</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1433</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>96</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>73</u> P.S.I.			
G Final Closed-in Pressure	<u>1397</u> P.S.I.			
H Final Hydrostatic Mud	<u>2017</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</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>77</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>73</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>79</u>	<u>3</u>	<u>92</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>105</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>120</u>
P 4 <u>15</u>	<u>Flushed tool</u>	<u>9</u>	<u>170</u>	<u>15</u>	<u>73</u>	<u>9</u>	<u>166</u>
P 5 <u>20</u>	<u>68</u>	<u>12</u>	<u>295</u>	<u>20</u>	<u>73</u>	<u>12</u>	<u>247</u>
P 6 <u>25</u>	<u>61</u>	<u>15</u>	<u>453</u>	<u>25</u>	<u>73</u>	<u>15</u>	<u>365</u>
P 7 <u>30</u>	<u>57</u>	<u>18</u>	<u>596</u>	<u>30</u>	<u>73</u>	<u>18</u>	<u>517</u>
P 8 <u>35</u>	<u>57</u>	<u>21</u>	<u>730</u>			<u>21</u>	<u>680</u>
P 9 <u>40</u>	<u>57</u>	<u>24</u>	<u>862</u>			<u>24</u>	<u>793</u>
P10		<u>27</u>	<u>983</u>			<u>27</u>	<u>899</u>
P11		<u>30</u>	<u>1084</u>			<u>30</u>	<u>1008</u>
P12		<u>33</u>	<u>1165</u>			<u>33</u>	<u>1986</u>
P13		<u>36</u>	<u>1232</u>			<u>36</u>	<u>1165</u>
P14		<u>39</u>	<u>1278</u>			<u>39</u>	<u>1222</u>
P15		<u>42</u>	<u>1320</u>			<u>42</u>	<u>1270</u>
P16		<u>45</u>	<u>1349</u>			<u>45</u>	<u>1301</u>
P17		<u>48</u>	<u>1372</u>			<u>48</u>	<u>1330</u>
P18		<u>51</u>	<u>1395</u>			<u>51</u>	<u>1356</u>
P19		<u>54</u>	<u>1412</u>			<u>54</u>	<u>1376</u>
P20		<u>57</u>	<u>1424</u>			<u>57</u>	<u>1389</u>
		<u>60</u>	<u>1433</u>			<u>60</u>	<u>1397</u>



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 6678

P. O. BOX 1599

PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation

1911 Ground Level

Formation

Simpson

Eff. Pay

Ft.

District

PRATT

Date

6-26-80

Customer Order No.

COMPANY NAME

PAH- Western Petroleum, Inc.

ADDRESS

1408 Douglas Bldg. Wichita, Ks. 67202

LEASE AND WELL NO.

Swisher #1

COUNTY

PRATT

STATE

KS

Sec.

30

Twp

27S Rge. 13W

Mail Invoice To

Same Swisher #1

No. Copies Requested

Reg

Mail Charts To

Same

Address

No. Copies Requested

Reg

Formation Test No.

3

Interval Tested from

4445

ft. to

4452

Total Depth

4452

ft.

Packer Depth

4440

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Packer Depth

4445

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4432 ft.

Bottom Recorder Depth (Outside)

4447 ft.

Below Straddle Recorder Depth

ft.

Recorder Number

2604

Cap.

4150

Recorder Number

6246

Cap.

5200

Recorder Number

Cap.

Drilling Contractor

Cahbert + Jones #6

Drill Collar Length

120

I. D.

2.2

in.

Mud Type

DRISPAE

Viscosity

46

Weight Pipe Length

I. D.

3

in.

Weight

9.4

Water Loss

16.8

cc.

Drill Pipe Length

4304

D.

3.8

in.

Chlorides

26,000

P.P.M.

Test Tool Length

26 ft.

Tool Size

52.00 in.

Jars: Make

Serial Number

Anchor Length

7 ft.

Size

52.00 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 FH in.

Blow:

WEAK - decreasing to VERY WEAK LAST OF FINAL FLOW

Recovered

20

ft. of

DRY mud - FEW oil spots

Recovered

180

ft. of

muddy water

Recovered

ft. of

muddy water

Recovered

ft. of

Recovered

ft. of

Remarks:

Slid Tool 15' AFTER Tool opened

ON Location 11:00 A.M. - Pick Up Tool 11:30 A.M. - OFF Location 8:30 P.M.

Time Set Packer(s)

1:10

A.M. P.M.

Time Started Off Bottom

5:10

A.M. P.M.

Maximum Temperature

Broken

Initial Hydrostatic Pressure

(A)

2242

P.S.I.

Initial Flow Period

Minutes

60-60

(B)

53-85

P.S.I. to (C)

63-92

P.S.I.

Initial Closed In Period

Minutes

60-60

(D)

1453

P.S.I. 1472

Final Flow Period

Minutes

60-60

(E)

106-126

P.S.I. to (F)

106-120

P.S.I.

Final Closed In Period

Minutes

60-60

(G)

1401-1431

P.S.I.

Final Hydrostatic Pressure

(H)

2147

P.S.I.

2170

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

Signature of Customer or his authorized representative

Western Representative

Dave Sloan

Thank you

FIELD INVOICE

Open Hole Test

\$

600.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

5 x 17

\$

3.75

Fluid Sampler

\$

Extra Charts

\$

TOTAL

\$ 603.75

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26 Test Ticket No. 6678
 Recorder No. 2604 Capacity 4150 Location 4432 Ft.
 Clock No. — Elevation 1911 Well Temperature — °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2244 P.S.I. Open Tool 1:10 P M
 B First Initial Flow Pressure 85 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 92 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1472 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 126 P.S.I. Final Closed-in Pressure 60 Mins. — Mins.
 F Second Final Flow Pressure 120 P.S.I.
 G Final Closed-in Pressure 1431 P.S.I.
 H Final Hydrostatic Mud 2170 P.S.I.

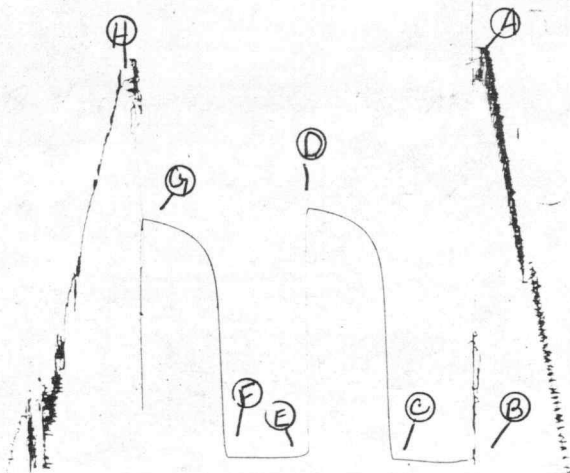
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>—</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	85	0	92	0	126	0	120
P 2 5	79	3	252	5	120	3	288
P 3 10	73	6	648	10	113	6	711
P 4 15	69	9	1140	15	112	9	1127
P 5 20	68	12	1236	20	112	12	1201
P 6 25	68	15	1284	25	112	15	1249
P 7 30	71	18	1317	30	112	18	1278
P 8 35	75	21	1343	35	113	21	1305
P 9 40	78	24	1366	40	114	24	1323
P10 45	82	27	1382	45	115	27	1341
P11 50	86	30	1398	50	117	30	1356
P12 55	88	33	1410	55	119	33	1365
P13 60	92	36	1419	60	120	36	1378
P14		39	1430	65		39	1384
P15		42	1438	70		42	1393
P16		45	1444	75		45	1401
P17		48	1450	80		48	1409
P18		51	1456	85		51	1415
P19		54	1462	90		54	1420
P20		57	1467			57	1425
		60	1472			60	1431

1 swished #1
DST 3

TK# 6678

I



Company Pan - Western Petroleum, Inc. Lease & Well No. Swisher #1
Elevation 1911 Ground Level Formation Simpson Effective Pay -- Ft. Ticket No. 6678
Date 6-26-80 Sec. 30 Twp. 27 S Range 13 W County Pratt State Kansas
Test Approved by Toky Elster Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 4445 ft. to 4452 ft. Total Depth 4452 ft.

Packer Depth 4440 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4445 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4432 ft.

Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4447 ft.

Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth -- ft.

Recorder Number -- Cap. --

Drilling Contractor Gabbert & Jones Drilling Rig#6

Drill Collar Length 120 I. D. 2.2 in.

Mud Type Driscap Viscosity 46

Weight Pipe Length -- I. D. -- in.

Weight 9.4 Water Loss 16.8 cc.

Drill Pipe Length 4299 I. D. 3.8 in.

Chlorides 26,000 P.P.M.

Test Tool Length 26 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number --

Anchor Length 7 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: Weak Blow - Decreasing to very weak last of final flow period.

Recovered 20 ft. of Drilling Mud - Few Oil Spots

Recovered 180 ft. of Muddy Water - Chlorides - 57,000 p.p.m.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool 15' after tool opened

Time Set Packer(s) 1:10 ~~A.M.~~ P.M. Time Started Off Bottom 5:10 ~~A.M.~~ P.M. Maximum Temperature Broken

Initial Hydrostatic Pressure 2244 P.S.I. (A)

Initial Flow Period 60 Minutes (B) 85 P.S.I. to (C) 92 P.S.I.

Initial Closed In Period 60 Minutes (D) 1472 P.S.I.

Final Flow Period 60 Minutes (E) 126 P.S.I. to (F) 120 P.S.I.

Final Closed In Period 60 Minutes (G) 1431 P.S.I.

Final Hydrostatic Pressure 2170 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26-80 Test Ticket No. 6678
Recorder No. 2604 Capacity 4150 Location 4432 Ft.
Clock No. - Elevation 1911 Ground Level Well Temperature - °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2244</u> P.S.I.	<u>1:10P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>85</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>92</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1472</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>126</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>120</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
G Final Closed-in Pressure	<u>1431</u> P.S.I.		
H Final Hydrostatic Mud	<u>2170</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>85</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>126</u>	<u>0</u>	<u>120</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>252</u>	<u>5</u>	<u>120</u>	<u>3</u>	<u>288</u>
P 3 <u>10</u>	<u>73</u>	<u>6</u>	<u>648</u>	<u>10</u>	<u>113</u>	<u>6</u>	<u>711</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>1140</u>	<u>15</u>	<u>112</u>	<u>9</u>	<u>1127</u>
P 5 <u>20</u>	<u>68</u>	<u>12</u>	<u>1236</u>	<u>20</u>	<u>112</u>	<u>12</u>	<u>1201</u>
P 6 <u>25</u>	<u>68</u>	<u>15</u>	<u>1284</u>	<u>25</u>	<u>112</u>	<u>15</u>	<u>1249</u>
P 7 <u>30</u>	<u>71</u>	<u>18</u>	<u>1317</u>	<u>30</u>	<u>112</u>	<u>18</u>	<u>1278</u>
P 8 <u>35</u>	<u>75</u>	<u>21</u>	<u>1343</u>	<u>35</u>	<u>113</u>	<u>21</u>	<u>1305</u>
P 9 <u>40</u>	<u>78</u>	<u>24</u>	<u>1366</u>	<u>40</u>	<u>114</u>	<u>24</u>	<u>1323</u>
P10 <u>45</u>	<u>83</u>	<u>27</u>	<u>1382</u>	<u>45</u>	<u>115</u>	<u>27</u>	<u>1341</u>
P11 <u>50</u>	<u>86</u>	<u>30</u>	<u>1398</u>	<u>50</u>	<u>117</u>	<u>30</u>	<u>1356</u>
P12 <u>55</u>	<u>88</u>	<u>33</u>	<u>1410</u>	<u>55</u>	<u>119</u>	<u>33</u>	<u>1365</u>
P13 <u>60</u>	<u>92</u>	<u>36</u>	<u>1419</u>	<u>60</u>	<u>120</u>	<u>36</u>	<u>1378</u>
P14		<u>39</u>	<u>1430</u>			<u>39</u>	<u>1384</u>
P15		<u>42</u>	<u>1438</u>			<u>42</u>	<u>1393</u>
P16		<u>45</u>	<u>1444</u>			<u>45</u>	<u>1401</u>
P17		<u>48</u>	<u>1450</u>			<u>48</u>	<u>1409</u>
P18		<u>51</u>	<u>1456</u>			<u>51</u>	<u>1415</u>
P19		<u>54</u>	<u>1462</u>			<u>54</u>	<u>1420</u>
P20		<u>57</u>	<u>1467</u>			<u>57</u>	<u>1425</u>
		<u>60</u>	<u>1472</u>			<u>60</u>	<u>1431</u>