



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 8524

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation MARATHON Eff. Pay _____ Ft.

District Pratt Date 12-4-80 Customer Order No. _____

COMPANY NAME PAN-WESTERN Petroleum, Inc.

ADDRESS 1408 Douglas Building Wichita, KS. 67202

LEASE AND WELL NO. HUFFMAN 1-A COUNTY Pratt STATE Ks Sec. 34 Twp 26S Rge 14W

Mail Invoice To SAME No. Copies Requested Reg

Co. Name _____ Address _____

Mail Charts To SAME No. Copies Requested Reg

Address _____

Formation Test No. 1 Interval Tested from 4269 ft. to 4304 ft. Total Depth 4304 ft.

Packer Depth 4269 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4269 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4292 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4300 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor RAMCO #3 Drill Collar Length _____ I. D. _____ in.

Mud Type STARCH Viscosity 90 Weight Pipe Length _____ I. D. _____ in.

Weight 9.6 Water Loss 14.2 cc. Drill Pipe Length 4149 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 0.0 in.

Jars: Make _____ Serial Number _____ Anchor Length 35 ft. Size 5 1/2 0.0 in.

Did Well Flow? NO Reversed Out _____ 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 XH in.

Blow: Weak - dead 13 min. Initial Flow - No blow Final Flow Period.

Recovered 10 ft. of DR19. Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Flushed Tool Final Flow Period - Few bubbles
Slid Tool 8' to Bottom

Time On Location 2:30 A.M. Time Pick Up Tool 5:30 A.M. Time Off Location 2:30 A.M.

Time Set Packer(s) 8:25 A.M. Time Started Off Bottom 10:25 A.M. Maximum Temperature 118

Initial Hydrostatic Pressure _____ (A) 2348 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 42 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 31 P.S.I.

Final Flow Period _____ Minutes 30 (E) 31 P.S.I. to (F) 95 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 95 P.S.I.

Final Hydrostatic Pressure _____ (H) 2337 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 John G. Slater
Signature of Customer or his authorized representative

Western Representative David Sloan

Thank you

FIELD INVOICE

Open Hole Test \$ 1600.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby 4 Hr. \$ 11.25
Evaluation 4 Hr. \$ _____
Extra Packer Reg \$ _____
Circ. Sub. \$ _____
Mileage 15 \$ 11.25
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
TOTAL \$ 611.25

WESTERN TESTING CO., INC.

Pressure Data

Date 12-4 Test Ticket No. 8524
 Recorder No. 2604 Capacity 4150 Location 4292 Ft.
 Clock No. _____ Elevation _____ Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2211</u>	P.S.I.	8:25 A M	
B First Initial Flow Pressure	<u>79</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>49</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>47</u>	P.S.I.	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>116</u>	P.S.I.		
G Final Closed-in Pressure	<u>115</u>	P.S.I.		
H Final Hydrostatic Mud	2211 <u>2200</u>	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: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 12 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

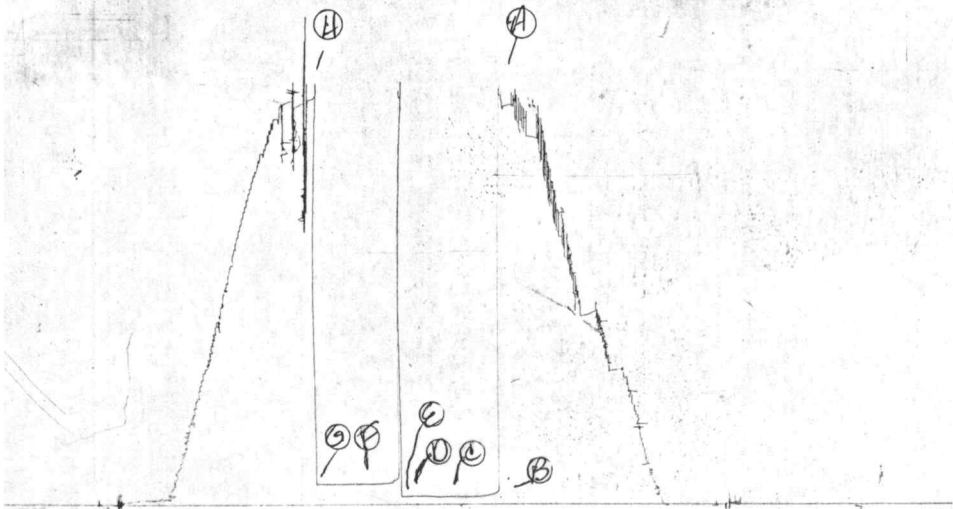
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	79	0	47	0	47	0	116
P 2 5	58	3	47	5	47	3	(
P 3 10	49	6	47	10	141 FLUSHED TOOL	6	(
P 4 15	48	9	46	15	119	9	(
P 5 20	47	12	46	20	118	12	(
P 6 25	47	15	46	25	116	15	116
P 7 30	47	18	47	30	116	18	115
P 8 35		21	49	35		21	(
P 9 40		24	(	40		24	(
P 10 45		27	(	45		27	(
P 11 50		30	49	50		30	(
P 12 55		33		55		33	(
P 13 60		36		60		36	115
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

2604

TH #8524

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PAW-WESTERN
HOFFMAN A-1
DST 1



Company Pan Western Petroleum, Inc. Lease & Well No. Huffman #1-A
Elevation - Formation Marmaton Effective Pay - Ft. Ticket No. 8524
Date 12-4-80 Sec. 34 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Dave Sloan
Formation Test No. 1 Interval Tested from 4269 ft. to 4304 ft. Total Depth 4304 ft.
Packer Depth 4264 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4269 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4292 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4300 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Ramco Rig #3 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 50 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 14.2 cc. Drill Pipe Length 4249 I. D. 3.8 in.
Chlorides 23,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 35 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out - 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 XH in.

Blow: Weak- dead in thirteen minutes initial flow period. No blow final flow period.

Recovered 10 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Flushed tool final flow period. Few bubbles. Slid tool 8 ft to bottom.

Time Set Packer(s) 8:25 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:25 ~~P.M.~~ ^{A.M.} Maximum Temperature 118
Initial Hydrostatic Pressure (A) 2211 P.S.I.
Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 47 P.S.I.
Initial Closed In Period Minutes 30 (D) 49 P.S.I.
Final Flow Period Minutes 30 (E) 47 P.S.I. to (F) 116 P.S.I.
Final Closed In Period Minutes 36 (G) 115 P.S.I.
Final Hydrostatic Pressure (H) 2200 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/4/80 Test Ticket No. 8524
 Recorder No. 2604 Capacity 4150 Location 4292 Ft.
 Clock No. - Elevation - Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2211	P.S.I.	8:25A	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins.
C First Final Flow Pressure	47	P.S.I.	30	Mins.
D Initial Closed-in Pressure	49	P.S.I.	30	Mins.
E Second Initial Flow Pressure	47	P.S.I.	30	Mins.
F Second Final Flow Pressure	116	P.S.I.		
G Final Closed-in Pressure	115	P.S.I.		
H Final Hydrostatic Mud	2200	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>6</u> Inc.		Breakdown: <u>12</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>79</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>116</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>116</u>
P 3 <u>10</u>	<u>49</u>	<u>6</u>	<u>47</u>	<u>10</u>	<u>141</u>	<u>6</u>	<u>116</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>46</u>	<u>15</u>	<u>119</u>	<u>9</u>	<u>116</u>
P 5 <u>20</u>	<u>47</u>	<u>12</u>	<u>46</u>	<u>20</u>	<u>118</u>	<u>12</u>	<u>116</u>
P 6 <u>25</u>	<u>47</u>	<u>15</u>	<u>46</u>	<u>25</u>	<u>116</u>	<u>15</u>	<u>116</u>
P 7 <u>30</u>	<u>47</u>	<u>18</u>	<u>47</u>	<u>30</u>	<u>116</u>	<u>18</u>	<u>115</u>
P 8		<u>21</u>	<u>49</u>			<u>21</u>	<u>115</u>
P 9		<u>24</u>	<u>49</u>			<u>24</u>	<u>115</u>
P10		<u>27</u>	<u>49</u>			<u>27</u>	<u>115</u>
P11		<u>30</u>	<u>49</u>			<u>30</u>	<u>115</u>
P12						<u>33</u>	<u>115</u>
P13						<u>36</u>	<u>115</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Flushed tool



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8525

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation Mississippi Eff. Pay _____ Ft.

District Pratt Date 12-5-60 Customer Order No. _____

COMPANY NAME PAN-WESTERN Petroleum, Inc.

ADDRESS 1408 Douglas Building Wichita, KS, 67202

LEASE AND WELL NO. HUFFMAN 1-A COUNTY Pratt STATE Ks. Sec. 34 Twp 26S Rge 14W

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

Mail Charts To Same Co. Name _____ Address _____ No. Copies Requested Reg

Formation Test No. 2 Interval Tested from 4298 ft. to 4368 ft. Total Depth 4368 ft.

Packer Depth 4293 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4298 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4354 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4365 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Ramco #3 Drill Collar Length _____ I. D. _____ in.

Mud Type Starch Viscosity 40 Weight Pipe Length _____ I. D. _____ in.

Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 4278 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 310 ft + 39 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 x H in.

Blow: Weak - dead 20 min. Initial flow period

Weak during final flow period dead 40 min.

Recovered 70 ft. of St. Gas cut DLG. mud

Recovered _____ ft. of slightly

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time On Location 1:30 A.M. Time Pick Up Tool 2:30 A.M. Time Off Location 11:00 A.M.

Time Set Packer(s) 4:45 A.M. Time Started Off Bottom 7:30 A.M. Maximum Temperature 121

Initial Hydrostatic Pressure _____ (A) 2189 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 74 P.S.I. to (C) 74 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 106 P.S.I.

Final Flow Period _____ Minutes 45 (E) 106 P.S.I. to (F) 106 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 106 P.S.I.

Final Hydrostatic Pressure _____ (H) 2189 P.S.I.

COMPANY TERMS

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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 David Lester
Signature of Customer or his authorized representative

Western Representative Dave Sloan

Thank you

FIELD INVOICE 00

Open Hole Test \$ 600
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ N.C.
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
TOTAL \$ 600

WESTERN TESTING CO., INC.
Pressure Data

Date 12-5 Test Ticket No. 8525
Recorder No. 2604 Capacity 4150 Location 4354 Ft.
Clock No. _____ Elevation _____ Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2230</u>	P.S.I.	<u>4:45</u> A	M
B First Initial Flow Pressure	<u>111</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>87</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>123</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>123</u>	P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>118</u>	P.S.I.		
G Final Closed-in Pressure	<u>117</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2217</u>	P.S.I.		

PRESSURE BREAKDOWN

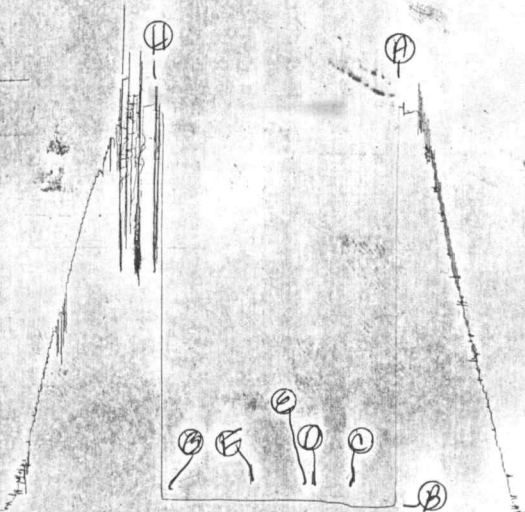
First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>22</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>111</u>	0	<u>87</u>	0	<u>123</u>	0	<u>118</u>
P 2	<u>94</u>	3	<u>87</u>	5	<u> </u>	3	<u> </u>
P 3	<u>89</u>	6	<u>98</u>	10	<u> </u>	6	<u> </u>
P 4	<u>87</u>	9	<u>107</u>	15	<u>123</u>	9	<u> </u>
P 5	<u> </u>	12	<u>111</u>	20	<u>122</u>	12	<u> </u>
P 6	<u> </u>	15	<u>113</u>	25	<u>122</u>	15	<u> </u>
P 7	<u>87</u>	18	<u>113</u>	30	<u>121</u>	18	<u> </u>
P 8	<u> </u>	21	<u>115</u>	35	<u>120</u>	21	<u> </u>
P 9	<u> </u>	24	<u>119</u>	40	<u>119</u>	24	<u> </u>
P10	<u> </u>	27	<u>123</u>	45	<u>118</u>	27	<u> </u>
P11	<u> </u>	30	<u>123</u>	50	<u> </u>	30	<u>118</u>
P12	<u> </u>	33	<u> </u>	55	<u> </u>	33	<u>117</u>
P13	<u> </u>	36	<u> </u>	60	<u> </u>	36	<u> </u>
P14	<u> </u>	39	<u> </u>	65	<u> </u>	39	<u> </u>
P15	<u> </u>	42	<u> </u>	70	<u> </u>	42	<u> </u>
P16	<u> </u>	45	<u> </u>	75	<u> </u>	45	<u> </u>
P17	<u> </u>	48	<u> </u>	80	<u> </u>	48	<u> </u>
P18	<u> </u>	51	<u> </u>	85	<u> </u>	51	<u> </u>
P19	<u> </u>	54	<u> </u>	90	<u> </u>	54	<u> </u>
P20	<u> </u>	57	<u> </u>	<u> </u>	<u> </u>	57	<u> </u>
	<u> </u>	60	<u> </u>	<u> </u>	<u> </u>	60	<u>117</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	63	<u>117</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	66	<u>1187</u>

2604

IR #8525

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PAN-WESTERN
HOFFMAN 1-A
DIST ✓



Company Pan Western Petroleum, Inc. Lease & Well No. Huffman #1-A
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 8525
Date 12-5-80 Sec. 34 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Tobe Elster Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 4298 ft. to 4368 ft. Total Depth 4368 ft.

Packer Depth 4293 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4298 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4354 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4365 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Ramco Rig #3

Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 40

Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 11.2 cc.

Drill Pipe Length 4278 I. D. 3.8 in.

Chlorides 15,000 P.P.M.

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

Jars: Make - Serial Number -

Anchor Length 31 DP + 39 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 XH in.

Blow: Weak blow dead in twenty minutes initial flow period. Weak blow during final flow period. Dead in forty minutes.

Recovered 70 ft. of slightly gas cut drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 4:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 121
Initial Hydrostatic Pressure 2230 P.S.I.
Initial Flow Period 30 Minutes (A) 111 P.S.I. to (C) 87 P.S.I.
Initial Closed In Period 30 Minutes (B) 123 P.S.I.
Final Flow Period 45 Minutes (D) 123 P.S.I. to (F) 118 P.S.I.
Final Closed In Period 66 Minutes (E) 117 P.S.I.
Final Hydrostatic Pressure 2217 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 12/5/80 Test Ticket No. 8525
 Recorder No. 2604 Capacity 4150 Location 4354 Ft.
 Clock No. --- Elevation ----- Well Temperature 121 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2230 P.S.I.	4:45A	M
B First Initial Flow Pressure	111 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	87 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	123 P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	123 P.S.I.	60 Mins.	66 Mins.
F Second Final Flow Pressure	118 P.S.I.		
G Final Closed-in Pressure	117 P.S.I.		
H Final Hydrostatic Mud	2217 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>9</u> Inc.		Breakdown: <u>22</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>111</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>118</u>
P 2 <u>5</u>	<u>94</u>	<u>3</u>	<u>87</u>	<u>5</u>	<u>123</u>	<u>3</u>	<u>118</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>98</u>	<u>10</u>	<u>123</u>	<u>6</u>	<u>118</u>
P 4 <u>15</u>	<u>87</u>	<u>9</u>	<u>107</u>	<u>15</u>	<u>123</u>	<u>9</u>	<u>118</u>
P 5 <u>20</u>	<u>87</u>	<u>12</u>	<u>111</u>	<u>20</u>	<u>122</u>	<u>12</u>	<u>118</u>
P 6 <u>25</u>	<u>87</u>	<u>15</u>	<u>113</u>	<u>25</u>	<u>122</u>	<u>15</u>	<u>118</u>
P 7 <u>30</u>	<u>87</u>	<u>18</u>	<u>113</u>	<u>30</u>	<u>121</u>	<u>18</u>	<u>118</u>
P 8		<u>21</u>	<u>115</u>	<u>35</u>	<u>120</u>	<u>21</u>	<u>118</u>
P 9		<u>24</u>	<u>119</u>	<u>40</u>	<u>119</u>	<u>24</u>	<u>118</u>
P10		<u>27</u>	<u>123</u>	<u>45</u>	<u>118</u>	<u>27</u>	<u>118</u>
P11		<u>30</u>	<u>123</u>			<u>30</u>	<u>118</u>
P12						<u>33</u>	<u>117</u>
P13						<u>36</u>	<u>117</u>
P14						<u>39</u>	<u>117</u>
P15						<u>42</u>	<u>117</u>
P16						<u>45</u>	<u>117</u>
P17						<u>48</u>	<u>117</u>
P18						<u>51</u>	<u>117</u>
P19						<u>54</u>	<u>117</u>
P20						<u>57</u>	<u>117</u>
						<u>60</u>	<u>117</u>
						<u>63</u>	<u>117</u>
						<u>66</u>	<u>117</u>



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO

8226

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

Formation

Miss.

Eff. Pay

Ft.

District

PRATT

Date

12-5-80

Customer Order No.

COMPANY NAME

PAN-WESTERN Petroleum, Inc.

ADDRESS

1408 Douglas Building Wichita, KS. 67202

LEASE AND WELL NO.

HUFFMAN 1-A COUNTY PRATT

STATE

KS

Sec.

34

Twp

26S

Rge

14W

Mail Invoice To

Same

No. Copies Requested

Reg

Mail Charts To

Same

Address

No. Copies Requested

Reg

Formation Test No.

3

Interval Tested from

4360

ft. to

4395

ft.

Total Depth

4395

ft.

Packer Depth

4355

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Packer Depth

4360

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4383 ft.

Recorder Number

2604

Cap.

4150

Bottom Recorder Depth (Outside)

4392 ft.

Recorder Number

6246

Cap.

5200

Below Straddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

Ramco #3

Drill Collar Length

120

I. D.

2.12

in.

Mud Type

Starch

Viscosity

40

Weight Pipe Length

I. D.

in.

Weight

9.4

Water Loss

12.2 cc.

Drill Pipe Length

4211

I. D.

3.8

in.

Chlorides

25,000

P.P.M.

Test Tool Length

29 ft.

Tool Size

5 1/2 O.D. in.

Jars: Make

W.T.C.

Serial Number

408

Anchor Length

35 ft.

Size

5 1/2 O.D. in.

Did Well Flow?

Reversed Out

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:

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Packer Failure - TRIED TO SET TWICE

Time On Location

6:30

A.M.

Time Pick Up Tool

7:45

A.M.

Time Off Location

A.M.

Time Set Packer(s)

9:55

A.M.

Time Started Off Bottom

11:15

A.M.

Maximum Temperature

Initial Hydrostatic Pressure

(A) 2151

P.S.I.

Initial Flow Period

Minutes

(B)

P.S.I. to (C)

P.S.I.

Initial Closed In Period

Minutes

(D)

P.S.I.

Final Flow Period

Minutes

(E)

P.S.I. to (F)

P.S.I.

Final Closed In Period

Minutes

(G)

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

Signature of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test

\$ 300.00

Misrun

\$ 300.00

Straddle Test

\$ 300.00

Jars

\$ 300.00

Selective Zone

\$ 50.00

Safety Joint

\$ 30.00

Standby

\$ 30.00

Evaluation

\$ 30.00

Extra Packer

\$ 30.00

Circ. Sub.

\$ N.C.

Mileage

\$ N.C.

Fluid Sampler

\$ 30.00

Extra Charts

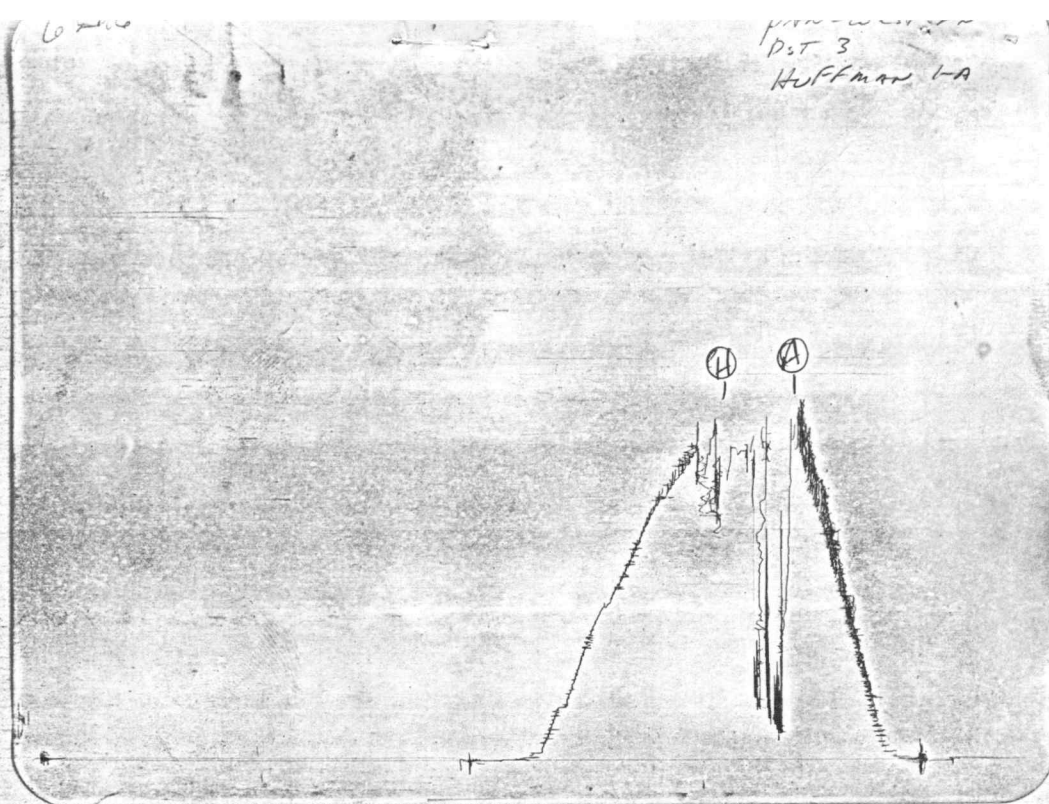
\$ 30.00

Insurance

\$ 680.00

TOTAL

\$ 680.00



Company Pan Western Petroleum, Inc. Lease & Well No. Huffman #1-A
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 8226
 Date 12-5-80 Sec 34 Twp 26S Range 14W County Pratt State Kansas
 Test Approved by Toby Elster Western Representative Dave Sloan
 Formation Test No. 3 Interval Tested from 4360 ft. to 4395 ft. Total Depth 4395 ft.
 Packer Depth 4355 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4360 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4383 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Ramco Rig #3 Drill Collar Length 120 I. D. 2.2 in.
 Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 12.2 cc. Drill Pipe Length 4211 I. D. 3.8 in.
 Chlorides 25,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WIC Serial Number 408 Anchor Length 35 ft. Size 5 1/2 OD in.
 Did Well Flow? - Reversed Out - 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 XH in.

Blow: _____

Recovered _____ ft. of
 Recovered _____ ft. of
 Recovered _____ ft. of
 Recovered _____ ft. of
 Recovered _____ ft. of

Remarks: MISRUN - PACKER FAILURE - TRIED TO SET TWICE. ONE CHART ONLY.

Time Set Packer(s) 9:55 A.M. Time Started Off Bottom 11:15 A.M. Maximum Temperature -
 Initial Hydrostatic Pressure (A) 2151 P.S.I.
 Initial Flow Period (B) _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period (D) _____ P.S.I.
 Final Flow Period (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period (G) 2151 P.S.I.
 Final Hydrostatic Pressure (H) _____ P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8227

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation Mississippi Eff. Pay _____ Ft.

District PRATT Date 12-6-80 Customer Order No. _____

COMPANY NAME PAN-Western Petroleum Corp.

ADDRESS 1408 Douglas Building Wichita, KS 67202

LEASE AND WELL NO. HUFFMAN 1-A COUNTY PRATT STATE KS Sec. 34 Twp 26S Rge 14W

Mail Invoice To SAME No. Copies Requested Reg

Co. Name _____ Address _____ No. Copies Requested Reg

Mail Charts To SAME Address _____

Formation Test No. 4 Interval Tested from 4290 ft. to 4395 ft. Total Depth 4395 ft.

Packer Depth 4285 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4290 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4317 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4325 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor RAMCO #3 Drill Collar Length 120 I. D. 2.2 in.

Mud Type STARCH Viscosity 40 Weight Pipe Length _____ I. D. _____ in.

Weight 9.4 Water Loss 12.2 cc. Drill Pipe Length 4141 I. D. 3.8 in.

Chlorides 2500 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 O.D. in.

Jars: Make W.T.C. Serial Number 408 Anchor Length 63 D.C. + 42 ft. Size 5 1/2 O.D. in.

Did Well Flow? _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: _____

Recovered _____ ft. of MIS - RUN

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Lost Returns going in hole w/ Tool - Hit Bridge
2000 OFF BOTTOM

Time On Location _____ A.M. Time Pick Up Tool 2:00 A.M. Time Off Location 8:00 A.M.

Time Set Packer(s) _____ P.M. Time Started Off Bottom _____ P.M. Maximum Temperature _____

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

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

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

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

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

Final Hydrostatic Pressure _____ (H) _____ 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 \$ _____

Misrun \$ 300.00

Straddle Test \$ _____

Jars \$ 200.00

Selective Zone \$ _____

Safety Joint \$ 150.00

Standby \$ _____

Evaluation \$ _____

Extra Packer \$ _____

Circ. Sub. \$ _____

Mileage \$ N.C.

Fluid Sampler \$ _____

Extra Charts \$ _____

Insurance \$ _____

TOTAL \$ 1650.00

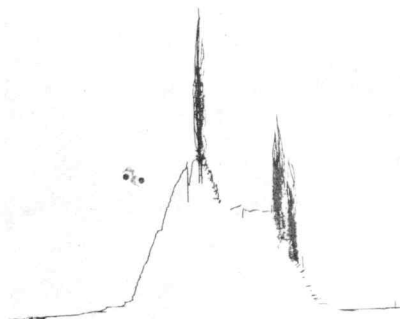
6246

Huffman 1-A

DST 4

TK #8227

0



2604

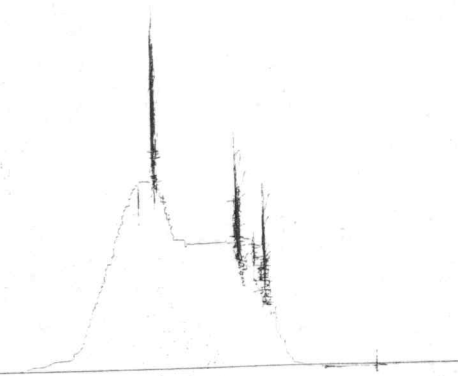
PAN-Western

Huffman 1-A

DST 4

TK #8227

I



Company Pan Western Petroleum, Inc. Lease & Well No. Huffman #1-A
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 8227
Date 12-6-80 Sec. 34 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Dave Sloan
Formation Test No. 4 Interval Tested from 4290 ft. to 4395 ft. Total Depth 4395 ft.
Packer Depth 4285 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4290 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4317 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4325 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Ramco Rig #3 Drill Collar Length 120 I. D. 2.2 in.
Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 12.2 cc. Drill Pipe Length 4141 I. D. 3.8 in.
Chlorides 25,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WIC Serial Number 408 Anchor Length 63 DC + 42 ft. Size 5 1/2 OD in.
Did Well Flow? - Reversed Out - 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 XH in.

Blow: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: Lost returns going in hole with tool. Hit bridge 2000 ft off bottom.

MISRUN NO PRESSURES AVAILABLE

Time Set Packer(s) - A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature -
Initial Hydrostatic Pressure (A) - P.S.I.
Initial Flow Period Minutes - (B) - P.S.I. to (C) - P.S.I.
Initial Closed In Period Minutes - (D) - P.S.I.
Final Flow Period Minutes - (E) - P.S.I. to (F) - P.S.I.
Final Closed In Period Minutes - (G) - P.S.I.
Final Hydrostatic Pressure (H) - P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 8228

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

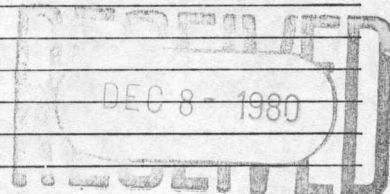
Elevation _____ Formation MISS. Eff. Pay _____ Ft.

District PRATT Date 12-6-80 Customer Order No. _____
COMPANY NAME PAN-WESTERN Petroleum
ADDRESS 1408 Douglas Bld. Wichita, KS. 67202
LEASE AND WELL NO. HUFFMAN 1-A COUNTY PRATT STATE KS. Sec. 34 Twp. 26S Rge. 14W
Mail Invoice To SAME No. Copies Requested Req.
Co. Name _____ Address _____
Mail Charts To SAME No. Copies Requested Req.
Address _____

Formation Test No. 5 Interval Tested from 4295 ft. to 4395 ft. Total Depth 4395 ft.
Packer Depth 4290 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4295 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4384 ft. Recorder Number 6246 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Ramco #3 Drill Collar Length 600 I. D. 2.2 in.
Mud Type STARCH Viscosity 46 Weight Pipe Length _____ I. D. _____ in.
Weight 9.8 Water Loss 12.2 cc. Drill Pipe Length 4206 I. D. 3.8 in.
Chlorides 38,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 O.D. in.
Jars: Make WTC Serial Number 408 Anchor Length 630.0 + 37 ft. Size 5 1/2 O.D. in.
Did Well Flow? NO Reversed Out _____ 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 X 1 1/2 in.

Blow: WEAK thru Both Flow periods

Recovered _____ ft. of MIS-RUN - Both checks stopped
Recovered _____ ft. of _____
Recovered 210 ft. of GAS CUT mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: Slid Tool 12' AFTER Tool opened



Time On Location 3:45 A.M. Time Pick Up Tool 4:45 A.M. Time Off Location 4:00 A.M.
Time Set Packer(s) 7:05 P.M. Time Started Off Bottom 11:35 A.M. Maximum Temperature 120
Initial Hydrostatic Pressure _____ (A) _____ P.S.I.
Initial Flow Period _____ Minutes 60 (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period _____ Minutes 60 (D) _____ P.S.I.
Final Flow Period _____ Minutes 90 (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period _____ Minutes 60 (G) _____ P.S.I.
Final Hydrostatic Pressure _____ (H) _____ P.S.I.

COMPANY TERMS

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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 Edy Elster Signature of Customer or his authorized representative

Western Representative Dave Sloan

Thank you

FIELD INVOICE

Open Hole Test \$ 300.00
Misrun \$ 300.00
Straddle Test \$ 300.00
Jars \$ 50.00
Selective Zone \$ 50.00
Safety Joint \$ 50.00
Standby \$ 50.00
Evaluation \$ 50.00
Extra Packer \$ 50.00
Circ. Sub. \$ 50.00
Mileage \$ Nie.
Fluid Sampler \$ 50.00
Extra Charts \$ 50.00
Insurance \$ 50.00
TOTAL \$ 650.00

WESTERN TESTING CO., INC.

Pressure Data

Date 12-6 Test Ticket No. 8228
 Recorder No. 6246 Capacity ~~4150~~ 5200 Location 4392 Ft.
 Clock No. _____ Elevation _____ Well Temperature 120 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2415</u>	P.S.I.	7:05 P	M
B First Initial Flow Pressure <u>196</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure <u>911</u>	P.S.I.	<u>60</u> Mins.	_____ Mins.
D Initial Closed-in Pressure _____	P.S.I.	<u>90</u> Mins.	_____ Mins.
E Second Initial Flow Pressure _____	P.S.I.	<u>60</u> Mins.	_____ Mins.
F Second Final Flow Pressure _____	P.S.I.		
G Final Closed-in Pressure _____	P.S.I.		
H Final Hydrostatic Mud <u>2386</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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>196</u>	0		0		0	
P 2 5	<u>238</u>	3		5		3	
P 3 10	<u>277</u>	6		10		6	
P 4 15	<u>330</u>	9		15		9	
P 5 20	<u>390</u>	12		20		12	
P 6 25	<u>463</u>	15		25		15	
P 7 30	<u>545</u>	18		30		18	
P 8 35	<u>626</u>	21		35		21	
P 9 40	<u>704</u>	24		40		24	
P 10 45	<u>775</u>	27		45		27	
P 11 50	<u>843</u>	30		50		30	
P 12 55	<u>911</u>	33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

12004

TK # 8228

I

DST 5

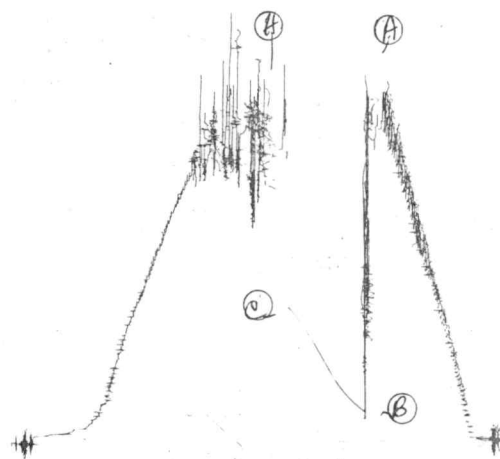


6246

TK # 8228

O

PAN-LOX-000
DST 5



Company Pan Western Petroleum, Inc. Lease & Well No. Huffman #1-A
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 8228
Date 12-6-80 Sec. 34 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Dave Sloan
Formation Test No. 5 Interval Tested from 4295 ft. to 4395 ft. Total Depth 4395 ft.
Packer Depth 4290 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4295 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4384 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Ramco Rig #3 Drill Collar Length 60 I. D. 2.2 in.
Mud Type Starch Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 9.8 Water Loss 12.2 cc. Drill Pipe Length 4206 I. D. 3.8 in.
Chlorides 38,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 408 Anchor Length 63 D.C. + 37 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out - 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 XH in.

Blow: Weak throughout both flow periods.

Recovered 210 ft. of gas cut mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Slid tool 12 ft after tool opened. MISRUN - BOTH CLOCKS STOPPED

Time Set Packer(s) 7:05 ~~A.M.~~ P.M. Time Started Off Bottom 11:35 ~~A.M.~~ P.M. Maximum Temperature 120
Initial Hydrostatic Pressure (A) 2415 P.S.I.
Initial Flow Period Minutes 55 (B) 196 P.S.I. to (C) 911 P.S.I.
Initial Closed In Period Minutes -- (D) -- P.S.I.
Final Flow Period Minutes -- (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period Minutes -- (G) -- P.S.I.
Final Hydrostatic Pressure (H) 2386 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/6/80 Test Ticket No. 8228
 Recorder No. 6256 6246 Capacity 5200 Location 4392 Ft.
 Clock No. ---- Elevation ----- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2415</u> P.S.I.	Open Tool	<u>7:05P</u> M	
B First Initial Flow Pressure	<u>196</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>911</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>---</u> Mins.
D Initial Closed-in Pressure	<u>--</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>--</u> Mins.
E Second Initial Flow Pressure	<u>--</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>--</u> Mins.
F Second Final Flow Pressure	<u>--</u> P.S.I.			
G Final Closed-in Pressure	<u>--</u> P.S.I.			
H Final Hydrostatic Mud	<u>2386</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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>196</u>						
P 2 <u>5</u>	<u>238</u>						
P 3 <u>10</u>	<u>277</u>						
P 4 <u>15</u>	<u>330</u>						
P 5 <u>20</u>	<u>390</u>						
P 6 <u>25</u>	<u>463</u>						
P 7 <u>30</u>	<u>545</u>						
P 8 <u>35</u>	<u>626</u>						
P 9 <u>40</u>	<u>704</u>						
P10 <u>45</u>	<u>775</u>						
P11 <u>50</u>	<u>843</u>						
P12 <u>55</u>	<u>911</u>						
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							