



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 6345

Elevation 2260 KB Formation Mississippi Eff. Pay Ft.

District Ht. Bend Date 6-15-80 Customer Order No.

COMPANY NAME Perdellon Land & Exploration, Inc.

ADDRESS 1700 Security Life Bldg. Denver, Colorado 80202

LEASE AND WELL NO Wain #1 COUNTY Woodsman STATE Ks. Sec. 26 Twp 22 Rge 22W

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

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4368 ft. to 4409 ft. Total Depth 4409 ft.

Packer Depth 4368 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4363 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4374 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 4378 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Infant Oil Drill Collar Length 613 I. D. 2.2 in.

Mud Type Premium #1 Napco Weight Pipe Length I. D. in.

Weight 8.9 Water Loss 12.4 cc. Drill Pipe Length 3730 I. D. in.

Chlorides 11,000 P.P.M. Test Tool Length 25 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 41 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 X in.

Blow: IF - Fair Blow Throughout
FF - Weak Blow + Died in 5 min.

Recovered 75 ft. of Clean Oil

Recovered 75 ft. of Heavy Oil Cut Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Arrived - 7:00 A.M. 6-15-80

Left - 11:00 P.M. 6-15-80

Time Set Packer(s) 3:35 A.M. Time Started Off Bottom 6:35 P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure 2006 P.S.I.

Initial Flow Period 15 Minutes (B) 68 P.S.I. to (C) 68 P.S.I.

Initial Closed In Period 45 Minutes (D) 1360 P.S.I.

Final Flow Period 60 Minutes (E) 80 P.S.I. to (F) 91 P.S.I.

Final Closed In Period 60 Minutes (G) 1316 P.S.I.

Final Hydrostatic Pressure 1995 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 York
Signature of Customer or his authorized representative

Western Representative Dan Delaney

FIELD INVOICE

Open Hole Test ✓ 600.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint ✓ 50.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
X 75¢ Mileage 53 miles ✓ 39.75
Fluid Sampler \$
Extra Charts \$

TOTAL \$689.75

WESTERN TESTING CO., INC.

Pressure Data

Date 6-15 Test Ticket No. 6345
 Recorder No. 6234 Capacity 4500 Location 4374 Ft.
 Clock No. — Elevation 2260 KB Well Temperature 115 °F

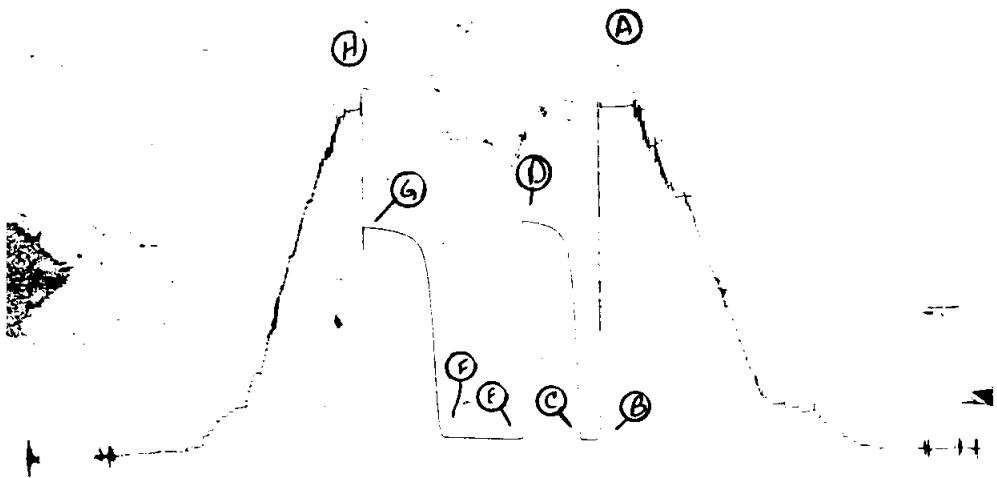
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2024</u> P.S.I.	<u>3:35</u> P.M.	
B First Initial Flow Pressure	<u>83</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>79</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1347</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>94</u> P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>105</u> P.S.I.		
G Final Closed-in Pressure	<u>1340</u> P.S.I.		
H Final Hydrostatic Mud	<u>2018</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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>83</u>	0	<u>79</u>	0	<u>94</u>	0	<u>105</u>
P 2 5	<u>79</u>	3	<u>682</u>	5	<u>88</u>	3	<u>256</u>
P 3 10	<u>79</u>	6	<u>1014</u>	10	<u>89</u>	6	<u>646</u>
P 4 15	<u>79</u>	9	<u>1174</u>	15	<u>92</u>	9	<u>962</u>
P 5 20		12	<u>1256</u>	20	<u>94</u>	12	<u>1126</u>
P 6 25		15	<u>1290</u>	25	<u>96</u>	15	<u>1210</u>
P 7 30		18	<u>1313</u>	30	<u>97</u>	18	<u>1247</u>
P 8 35		21	<u>1331</u>	35	<u>99</u>	21	<u>1275</u>
P 9 40		24	<u>1337</u>	40	<u>100</u>	24	<u>1287</u>
P10 45		27	<u>1347</u>	45	<u>103</u>	27	<u>1299</u>
P11 50		30	<u>1353</u>	50	<u>104</u>	30	<u>1305</u>
P12 55		33	<u>1358</u>	55	<u>105</u>	33	<u>1312</u>
P13 60		36	<u>1362</u>	60	<u>105</u>	36	<u>1321</u>
P14		39	<u>1366</u>	65		39	<u>1324</u>
P15		42	<u>1367</u>	70		42	<u>1329</u>
P16		45		75		45	<u>1333</u>
P17		48		80		48	<u>1336</u>
P18		51		85		51	<u>1338</u>
P19		54		90		54	<u>1339</u>
P20		57				57	<u>1340</u>
		60				60	<u>1340</u>

• 6234

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Company Pendleton Land & Explortion, Inc. Lease & Well No. Hann #1
Elevation 2260 Kelly Bushing Formation Mississippi Effective Pay. - Ft. Ticket No. 6345
Date 6-15-80 Sec. 26 Twp. 22 Range 22W County Hodgeman State KS
Test Approved by John Yule Western Representative Dan Delaney

Formation Test No. 1 Interval Tested from 4368 ft. to 4409 ft. Total Depth 4409 ft.
Packer Depth 4368 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4363 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4374 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 4378 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Inland Drlg. Drill Collar Length 613 I. D. 2.2 in.
Mud Type Premix-Mopac Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 8.9 Water Loss 12.4 cc. Drill Pipe Length 3730 I. D. - in.
Chlorides 11,000 P.P.M. Test Tool Length 25 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 41 ft. Size 5 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 XH in.

Blow: Fair blow on initial flow period. Weak blow on final flow period, died in 5 minutes

Recovered 75 ft. of Clean oil
Recovered 75 ft. of Heavy oil cut mud.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 3:35 -A.M. Time Started Off Bottom 6:35 P.M. Maximum Temperature 115
Initial Hydrostatic Pressure (A) 2024 P.S.I.
Initial Flow Period Minutes 15 (B) 83 P.S.I. to (C) 79 P.S.I.
Initial Closed In Period Minutes 42 (D) 1367 P.S.I.
Final Flow Period Minutes 60 (E) 94 P.S.I. to (F) 105 P.S.I.
Final Closed In Period Minutes 57 (G) 1340 P.S.I.
Final Hydrostatic Pressure (H) 2018 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6-15-80 Test Ticket No. 6345
 Recorder No. 6234 Capacity 4500 Location 4374 Ft.
 Clock No. _____ Elevation 2260 Kelly Bushing Well Temperature 115 °F
 Point _____ Pressure 2024 P.S.I. Open Tool _____ Time Given 3:35 P M Time Computed _____
 A Initial Hydrostatic Mud _____ 83 P.S.I. First Flow Pressure _____ 15 Mins. 15 Mins.
 B First Initial Flow Pressure _____ 79 P.S.I. Initial Closed-in Pressure _____ 45 Mins. 42 Mins.
 C First Final Flow Pressure _____ 1367 P.S.I. Second Flow Pressure _____ 60 Mins. 60 Mins.
 D Initial Closed-in Pressure _____ 94 P.S.I. Final Closed-in Pressure _____ 60 Mins. 57 Mins.
 E Second Initial Flow Pressure _____ 105 P.S.I.
 F Second Final Flow Pressure _____ 1340 P.S.I.
 G Final Closed-in Pressure _____ 2018 P.S.I.
 H Final Hydrostatic Mud _____

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>3</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>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>19</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>83</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>94</u>	<u>0</u>	<u>105</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>682</u>	<u>5</u>	<u>88</u>	<u>3</u>	<u>256</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>1016</u>	<u>10</u>	<u>89</u>	<u>6</u>	<u>646</u>
P 4 <u>15</u>	<u>79</u>	<u>9</u>	<u>1176</u>	<u>15</u>	<u>92</u>	<u>9</u>	<u>962</u>
P 5 _____		<u>12</u>	<u>1256</u>	<u>20</u>	<u>94</u>	<u>12</u>	<u>1126</u>
P 6 _____		<u>15</u>	<u>1290</u>	<u>25</u>	<u>96</u>	<u>15</u>	<u>1210</u>
P 7 _____		<u>18</u>	<u>1313</u>	<u>30</u>	<u>97</u>	<u>18</u>	<u>1247</u>
P 8 _____		<u>21</u>	<u>1331</u>	<u>35</u>	<u>99</u>	<u>21</u>	<u>1275</u>
P 9 _____		<u>24</u>	<u>1337</u>	<u>40</u>	<u>100</u>	<u>24</u>	<u>1287</u>
P10 _____		<u>27</u>	<u>1347</u>	<u>45</u>	<u>103</u>	<u>27</u>	<u>1299</u>
P11 _____		<u>30</u>	<u>1353</u>	<u>50</u>	<u>104</u>	<u>30</u>	<u>1305</u>
P12 _____		<u>33</u>	<u>1358</u>	<u>55</u>	<u>105</u>	<u>33</u>	<u>1312</u>
P13 _____		<u>36</u>	<u>1362</u>	<u>60</u>	<u>105</u>	<u>36</u>	<u>1321</u>
P14 _____		<u>39</u>	<u>1366</u>			<u>39</u>	<u>1324</u>
P15 _____		<u>42</u>	<u>1367</u>			<u>42</u>	<u>1329</u>
P16 _____						<u>45</u>	<u>1333</u>
P17 _____						<u>48</u>	<u>1336</u>
P18 _____						<u>51</u>	<u>1338</u>
P19 _____						<u>54</u>	<u>1339</u>
P20 _____						<u>57</u>	<u>1340</u>