WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 4553

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

Elevation _____ Formation _____ Eff. Pay _____ Ft.

District Wakeeney Wkny Date 7-14-80 Customer Order No. —

COMPANY NAME Pendleton Land & Exploration Inc.

ADDRESS 1700 Security Life Denver Colorado 80202

LEASE AND WELL NO. Gleason #1 COUNTY Hodgeman STATE KS. Sec. 27 Twp. 23S Rge. 21W

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

Mail Charts To Same (Address) No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4645 ft. to 4695 ft. Total Depth 4685 ft.

Packer Depth 4640 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4641 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4646 ft. Recorder Number 8473 Cap. 4000 PSI

Bottom Recorder Depth (Outside) 4695 ft. Recorder Number 2608 Cap. 4150 PSI

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

Drilling Contractor Buffalo Drlg.

Mud Type Starch Viscosity 43

Weight 9.3 Water Loss 12.5 cc.

Chlorides 38,000 P.P.M.

Jars: Make None Serial Number —

Did Well Flow? No Reversed Out No

Drill Collar Length — I. D. — in.

Weight Pipe Length — I. D. — in.

Drill Pipe Length 4695 I. D. 3.8 in.

Test Tool Length 25 ft. Tool Size 5 1/2 in.

Anchor Length 50 ft. Size 5 1/2 in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 6 1/4 in.

Blow: Strong Blow off Bottom of Bucket in 1 min. on Initial flow Period
Strong Blow throughout final flow period

Recovered 180 ft. of Muddy water

Recovered 650 ft. of muddy water S.O.+G. Slightly oil and Gas cut

Recovered — ft. of

Recovered — ft. of

Recovered 830 ft. of Total Fluid

Remarks:

JUL 16 1980

on 7:00 pm Off 8:00 am Thank You

Time Set Packer(s) 12:00 A.M. P.M. Time Started Off Bottom 5:00 A.M. P.M. Maximum Temperature 120

Initial Hydrostatic Pressure		(A) 2476	P.S.I.	
Initial Flow Period	Minutes 15	(B) 51	P.S.I. to (C) 92	P.S.I.
Initial Closed In Period	Minutes 45	(D) 1356	P.S.I.	
Final Flow Period	Minutes 60	(E) 154	P.S.I. to (F) 389	P.S.I.
Final Closed In Period	Minutes 60	(G) 1295	P.S.I.	
Final Hydrostatic Pressure		(H) 2445	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. ~~Daniel~~ Fredlund Dan

Test Approved By Daniel Fredlund
Signature of Customer or his authorized representative

Western Representative Dennis Funk

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ —
Straddle Test	$ —
Jars	$ —
Selective Zone	$ —
Safety Joint	$ 50.00
Standby	$ —
Evaluation	$ —
Extra Packer	$ —
Circ. Sub.	$ —
Mileage	$ 90.00
Fluid Sampler	$ —
Extra Charts	$ —
TOTAL	$ 740.00

WESTERN TESTING CO., INC.

Pressure Data

Date 7-14 Test Ticket No. 4553

Recorder No. 3473 Capacity 4000 Location 4645 Ft.

Clock No. — Elevation — Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2469 P.S.I.		Open Tool	12:00 AM	
B	First Initial Flow Pressure	57 P.S.I.		First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	102 P.S.I.		Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	1345 P.S.I.		Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	154 P.S.I.		Final Closed-in Pressure	60 Mins.	75 Mins.
F	Second Final Flow Pressure	391 P.S.I.				
G	Final Closed-in Pressure	1277 P.S.I.				
H	Final Hydrostatic Mud	2449 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	57
P 2 5	64
P 3 10	84
P 4 15	102
P 5 20	
P 6 25	
P 7 30	
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	102
3	815
6	1172
9	1217
12	1244
15	1268
18	1282
21	1297
24	1307
27	1316
30	1320
33	1329
36	1336
39	1341
42	1345
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	154
5	160
10	178
15	205
20	231
25	256
30	282
35	303
40	327
45	352
50	372
55	391
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 25 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	391
3	1008
6	1062
9	1096
12	1122
15	1140
18	1156
21	1171
24	1181
27	1191
30	1201
33	1209
36	1218
39	1226
42	1233
45	1239
48	1243
51	1250
54	1254
57	1258
60	1264

Cont

Test Ticket No. 4522

Capacity

Location

Well Temperature

Elevation

Time Given — Time Computed

Pressure

Hydrostatic Mud	P.S.I.	Open Tool		M
itial Flow Pressure	P.S.I.	First Flow Pressure	Mins	M
inal Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins	M
Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins	M
Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins	M
Final Flow Pressure	P.S.I.			
Closed-in Pressure	P.S.I.			
Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

irst Flow Pressure

akdown: Inc.

5 mins. and a

l inc. of 0 Min.

	Press.

Initial Shut-In

Breakdown: Inc.

of 3 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Second Flow Pressure

Breakdown: Inc.

of 5 mins. and a

final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In

Breakdown: Inc

of 3 mins. and a

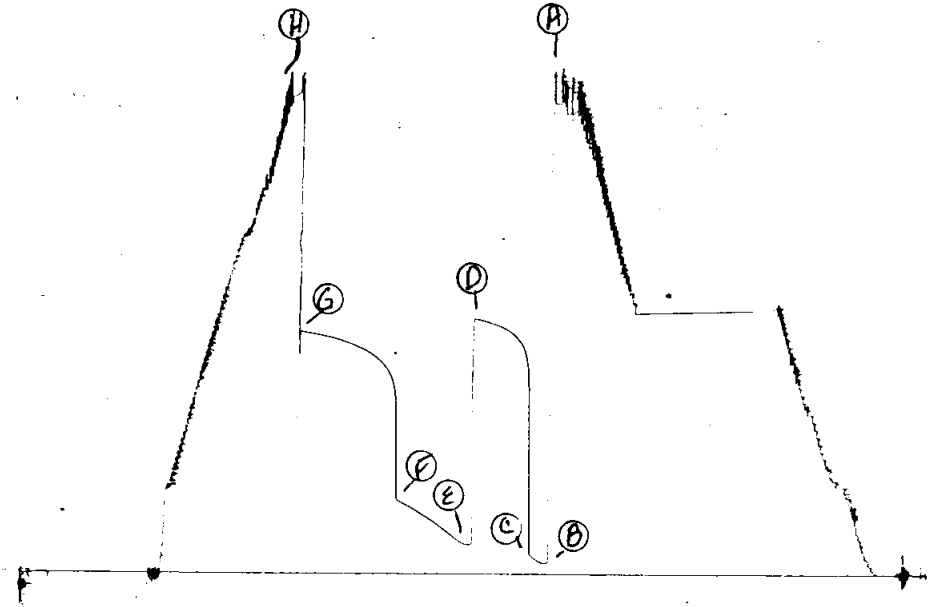
final inc. of 0 Mi

Point Minutes	Press.
63	1268
66	1270
69	1272
72	1275
75	1277
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

DST #1

Jet #4553

T 3473
4553



Company Pendleton Land & Exploration Inc. Lease & Well No. Gleason #1

Elevation ---- Formation ---- Effective Pay ---- Ft. Ticket No. 4553

Date 7-14-80 Sec. 27 Twp. 23 S Range 21 W County Hodgeman State KS

Test Approved by Dan Fredlund Western Representative Dennis Fritz

Formation Test No. 1 Interval Tested from 4645 ft. to 4695 ft. Total Depth 4695 ft.

Packer Depth 4645 ft. Size 6 3/4 in. Packer Depth -- ft. Size ---- in.

Packer Depth 4641 ft. Size 6 3/4 in. Packer Depth ---- ft. Size ---- in.

Depth of Selective Zone Set ----

Top Recorder Depth (Inside) 4646 ft. Recorder Number 3473 Cap. 4000

Bottom Recorder Depth (Outside) 4695 ft. Recorder Number 2608 Cap. 4150

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

Drilling Contractor Buffalo Drilling Drill Collar Length ---- I. D. ---- in.

Mud Type Starch Viscosity 43 Weight Pipe Length ---- I. D. ---- in.

Weight 9.3 Water Loss 12.8 cc. Drill Pipe Length 4695 I. D. 3.8 in.

Chlorides 39,000 P.P.M. Test Tool Length 25 ft. Tool Size 5½ in.

Jars: Make None Serial Number --- Anchor Length 50 ft. Size 5½ 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 6¼ in.

Blow: Strong blow off bottom of bucket in ten minutes on initial flow period.
Strong blow throughout final flow period.

Recovered 186 ft. of Muddy water

Recovered 650 ft. of Muddy water slightly oil and gas cut.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. P.M. Time Started Off Bottom 3:00 A.M. P.M. Maximum Temperature 120° F.

Initial Hydrostatic Pressure (A) 2469 P.S.I.

Initial Flow Period Minutes 15 (B) 57 P.S.I. to (C) 102 P.S.I.

Initial Closed In Period Minutes 42 (D) 1345 P.S.I.

Final Flow Period Minutes 55 (E) 154 P.S.I. to (F) 391 P.S.I.

Final Closed In Period Minutes 75 (G) 1277 P.S.I.

Final Hydrostatic Pressure (H) 2449 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-14-80 Test Ticket No. 4553

Recorder No. 3473 Capacity 4000 Location 4645 Ft.

Clock No. -- Elevation -- Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2469	P.S.I.	Open Tool	12:00 A. M.	
B	First Initial Flow Pressure	57	P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	102	P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	1345	P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	154	P.S.I.	Final Closed-in Pressure	60 Mins.	75 Mins.
F	Second Final Flow Pressure	391	P.S.I.			
G	Final Closed-in Pressure	1277	P.S.I.			
H	Final Hydrostatic Mud	2449	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 25 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	57	0	102	0	154	0	391
P 2	5	64	3	815	5	160	3	1008
P 3	10	84	6	1172	10	178	6	1062
P 4	15	102	9	1217	15	205	9	1096
P 5			12	1244	20	231	12	1122
P 6			15	1268	25	256	15	1140
P 7			18	1282	30	282	18	1156
P 8			21	1297	35	303	21	1171
P 9			24	1307	40	327	24	1181
P10			27	1316	45	352	27	1191
P11			30	1320	50	372	30	1201
P12			33	1329	55	391	33	1209
P13			36	1336			36	1218
P14			39	1341			39	1226
P15			42	1345			42	1233
P16							45	1239
P17							48	1243
P18							51	1250
P19							54	1254
P20							57	1258
							60	1264

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CONTINUED

WESTERN TESTING CO., INC.

Pressure Data

Date 7-14-80 Test Ticket No. 4553

Recorder No. 3473 Capacity 4000 Location 4645 Ft

Clock No. -- Elevation -- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2469 P.S.I.	Open Tool	12:00 A. M	
First Initial Flow Pressure	57 P.S.I.	First Flow Pressure	15 Mins	15 Mins
First Final Flow Pressure	102 P.S.I.	Initial Closed-in Pressure	45 Mins	42 Mins
Initial Closed-in Pressure	1345 P.S.I.	Second Flow Pressure	60 Mins	55 Mins
Second Initial Flow Pressure	154 P.S.I.	Final Closed-in Pressure	60 Mins	75 Mins
Second Final Flow Pressure	391 P.S.I.			
Final Closed-in Pressure	1277 P.S.I.			
Final Hydrostatic Mud	2449 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 25 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						63	1268
P 2						66	1270
P 3						69	1272
P 4						72	1275
P 5						75	1277
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							