WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 6645

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

Elevation 1626 Ground Level Formation Mississippi Eff. Pay Ft.

District Pratt Date 9-10-80 Customer Order No.

COMPANY NAME Gear Petroleum
ADDRESS 300 Sutton Place Wichita, Ks 67202
LEASE AND WELL NO. Wells #1 "A" COUNTY Kingman STATE KS Sec. 33 Twp. 30s Rge. 7w
Mail Invoice To Same (Co. Name) Address No. Copies Requested Reg
Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 4377 ft. to 4395 ft. Total Depth 4395 ft.
Packer Depth 4372 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4377 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 4380 ft. Recorder Number 2604 Cap. 4450
Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Sweetman Drlg. Drill Collar Length 270 I. D. 2.2 in.
Mud Type Starch Viscosity 48 Weight Pipe Length — I. D. — in.
Weight 9.2 Water Loss N/C cc. Drill Pipe Length 4085 I. D. 3.8 in.
Chlorides N/C P.P.M. Test Tool Length 22 ft. Tool Size 5½ OD in.
Jars: Make — Serial Number — Anchor Length 18 ft. Size 5½ OD in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Flow throughout test Main Hole Size 7 7/8 in. Tool Joint Size 4½ FH in.

Blow: Strong blow throughout both flow periods — GTS 5 min after FS initial period

Recovered 30 ft. of Mud
Recovered 240 ft. of Heavy Oil + Gas Cut mud
Recovered 60 ft. of Watery Oil Cut Mud
Recovered ft. of
Recovered ft. of
Remarks:

Top 30% Oil 35% Mud 35% Gas
~~Mid. 30% Oil, 15% water, 15% mud~~ 40% Gas
~~Bot. 5% Oil~~
Bottom 5% oil, 10% mud, 85% water.

on location 1:30 pm pick-up tool 5:30 pm off 1:30 AM

Time Set Packer(s) 6:56 ~~A.M.~~ P.M. Time Started Off Bottom 9:56 ~~A.M.~~ P.M. Maximum Temperature 129

Initial Hydrostatic Pressure			(A) 2400	P.S.I.		
Initial Flow Period	Minutes 30	(B) 63	P.S.I. to	(C) 63	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 878	P.S.I.			
Final Flow Period	Minutes 30	(E) 106	P.S.I. to	(F) 95	P.S.I.	
Final Closed In Period	Minutes 60	(G) 815	P.S.I.			
Final Hydrostatic Pressure		(H) 2105	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 Michael Russell
Signature of Customer or his authorized representative

Western Representative Jeff Piotrowski Thank you.
Jeff Piotrowski

FIELD INVOICE

Open Hole Test	$	✓ 600.00
Misrun	$	
Straddle Test	$	
Jars	$	
Selective Zone	$	
Safety Joint	$	✓ 50.00
Standby 2 Hrs.	$	✓ N/C
Evaluation	$	
Extra Packer	$	
Circ. Sub.	$	
Mileage 55	$	41.25
Fluid Sampler	$	
Extra Charts	$	691.25
TOTAL	$	[illegible]

WESTERN TESTING CO., INC.
Pressure Data

Date 9-10-80 Test Ticket No. 6645

Recorder No. 2604 Capacity 4150 Location 4380 Ft.

Clock No. Elevation 1626 GL Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2407 P.S.I.	Open Tool	6:56 PM	
B First Initial Flow Pressure	64 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	64 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	882 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	109 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	109 P.S.I.			
G Final Closed-in Pressure	832 P.S.I.			
H Final Hydrostatic Mud	2150 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	64
P 2 5	
P 3 10	
P 4 15	
P 5 20	
P 6 25	
P 7 30	64
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: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	64
3	102 ~~87~~
6	173 ~~130~~
9	239
12	305
15	363
18	417
21	463
24	513
27	561
30	605
33	642
36	678
39	713
42	742
45	774
48	801
51	824
54	845
57	866
60	882

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

Point Minutes	Press.
0	109
5	
10	
15	
20	
25	
30	109
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	109
3	138
6	192 ~~170~~
9	267
12	316
15	372
18	~~423~~
21	472
24	513
27	556
30	589
33	623
36	655
39	680
42	705
45	728
48	753
51	772
54	788
57	803
60	832

Company Gear Petroleum — Lease & Well No. Wells #1 "A"

Elevation 1626 Ground Level Formation Mississippi — Effective Pay - Ft. Ticket No. 6645

Date 9-10-80 Sec. 33 Twp. 30S Range 7W — County Kingman State Kansas

Test Approved by Michel Russell — Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4377 ft. to 4395 ft. Total Depth 4395 ft.

Packer Depth 4372 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Packer Depth 4377 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4380 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 Sweetman Drilling — Drill Collar Length 270 I. D. 2.2 in.

Mud Type Starch Viscosity 48 — Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss - cc. — Drill Pipe Length 4085 I. D. 3.8 in.

Chlorides - P.P.M. — Test Tool Length 22 ft. Tool Size 5½ OD in.

Jars: Make - Serial Number - — Anchor Length 18 ft. Size 5½ 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 4½ FH in.

Blow: Strong blow throughout test.

Recovered 30 ft. of Mud

Recovered 60 ft. of Watery oil cut mud

Recovered 240 ft. of Heavy oil & gas cut mud - Top 30% oil, 35% mud, 35% gas; Middle 30% oil

Recovered ft. of 15% water, 15% mud, 40% gas; Bottom 5% oil, 10% mud, 85% water.

Recovered ft. of

Remarks:

Time Set Packer(s) 6:56 ~~A.M.~~ P.M. Time Started Off Bottom 9:56 ~~A.M.~~ P.M. Maximum Temperature 129

Initial Hydrostatic Pressure		(A) 2407 P.S.I.		
Initial Flow Period	Minutes 30	(B) 64 P.S.I.	to (C) 64 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 882 P.S.I.		
Final Flow Period	Minutes 30	(E) 109 P.S.I.	to (F) 109 P.S.I.	
Final Closed In Period	Minutes 60	(G) 832 P.S.I.		
Final Hydrostatic Pressure		(H) 2150 P.S.I.		

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 9-10-80 Test Ticket No. 6645

Recorder No. 2604 Capacity 4150 Location 4380 Ft.

Clock No. ---------- Elevation 1626 Ground Level Well Temperature 129 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2407	P.S.I.
B	First Initial Flow Pressure	64	P.S.I.
C	First Final Flow Pressure	64	P.S.I.
D	Initial Closed-in Pressure	882	P.S.I.
E	Second Initial Flow Pressure	109	P.S.I.
F	Second Final Flow Pressure	109	P.S.I.
G	Final Closed-in Pressure	832	P.S.I.
H	Final Hydrostatic Mud	2150	P.S.I.

	Time Given	Time Computed
Open Tool	6:56 PM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	64
P 2 5	64
P 3 10	64
P 4 15	64
P 5 20	64
P 6 25	64
P 7 30	64
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	64
3	102
6	173
9	239
12	305
15	363
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21	463
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Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	109
5	109
10	109
15	109
20	109
25	109
30	109

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	109
3	138
6	192
9	267
12	316
15	372
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24	513
27	556
30	589
33	623
36	655
39	680
42	705
45	728
48	753
51	772
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2604
DST #, 1

JH # 6645

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