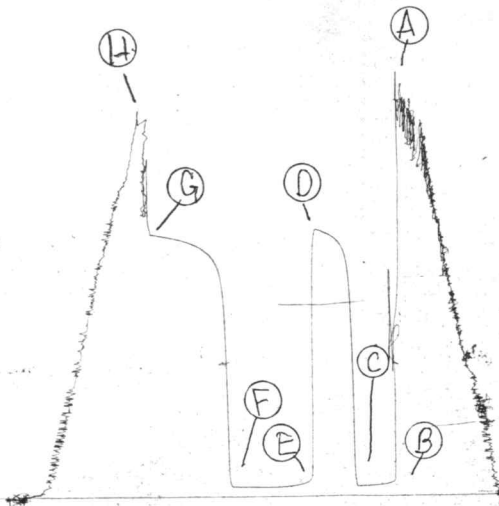


TK# 3381

I



Formation Test No.	1	Interval Tested from	4013	ft. to	4026	ft.	Total Depth	4026	ft.
Packer Depth		ft.	Size		in.	Packer Depth	-	ft.	Size - in.
Packer Depth	4013	ft.	Size	6 3/4	in.	Packer Depth	-	ft.	Size - in.
Depth of Selective Zone Set	--								

Drilling Contractor. Red Tiger Rig #3

Mud Type starch Viscosity 46

Weight 9.4 Water Loss 9.2 cc.

Chlorides 44,000 P.P.M.

Jars: Make No Serial Number -

Did Well Flow? No Reversed Out No

Drill Collar Length - I. D. - in.

Weight Pipe Length 540 I. D. 2½ in.

Drill Pipe Length 3458 I. D. 3.8 in.

Test Tool Length 15 ft. Tool Size 5½OD in.

Anchor Length 13 ft. Size 5½OD in.

Surface Choke Size ¾ in. Bottom Choke Size ¾ in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.

Recovered	60	ft. of	muddy water
Recovered		ft. of	
Recovered		ft. of	
Recovered		ft. of	
Recovered		ft. of	
Recovered		ft. of	

Time	Set	Packer(s)	Time Started	Off Bottom	Maximum Temperature
		10:15		1:15	127
Initial Hydrostatic Pressure			(A)	2152	P.S.I.
Initial Flow Period		Minutes	30	(B)	75
Initial Closed In Period		Minutes	30	(D)	1452
Final Flow Period		Minutes	60	(E)	85
Final Closed In Period		Minutes	60	(G)	1418
Final Hydrostatic Pressure			(H)	2084	P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 8/11/79 Ticket 3381 Company Gear Petroleum Company
Well Name and No. Soft #1 Dst No. 1 Interval Tested 4013'-4026'
County Kingman State Kansas Sec. 34 Twp. 28S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
10:15 Tool open						
PRE FLOW						
	5 min.		1 1/4" orifice			Gas to surface
	10 min.	20" of water	1 1/4" orifice			196,000 CFPD
	20 min.	24" of water	1 1/4" orifice			215,000 CFPD
	30 min.	26" of water	1 1/4" orifice			224,000 CFPD

11:15 Tool open						
SECOND FLOW						
	10 min.	36" of water	1 1/4" orifice			264,000 CFPD
	20 min.	30" of water	1 1/4" orifice			241,000 CFPD
	30 min.	28" of water	1 1/4" orifice			233,000 CFPD
	40 min.	26" of water	1 1/4" orifice			224,000 CFPD
	50 min.	26" of water	1 1/4" orifice			224,000 CFPD
	60 min.	26" of water	1 1/4" orifice			224,000 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled --- Date to be Invoiced 8/11/79

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gear Petroleum Company

Authorized by Phil Hart

WESTERN TESTING CO., INC.

Pressure Data

Date 8/11/79 Test Ticket No. 3381
 Recorder No. 2604 Capacity 4150 Location 4017 Ft.
 Clock No. -- Elevation 1551 Kelly Bushing Well Temperature 127 °F

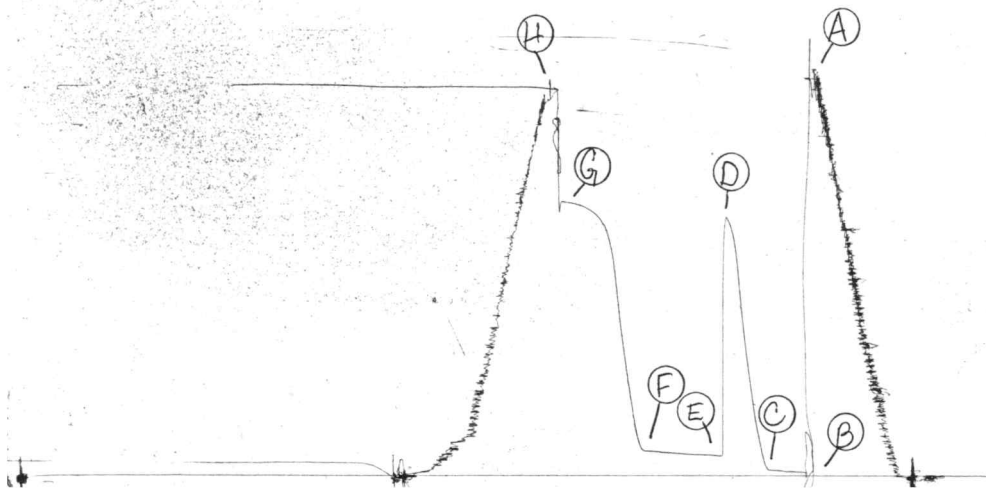
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2152 P.S.I.	Open Tool	10:12P M	
B First Initial Flow Pressure	75 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	51 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1452 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	85 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	51 P.S.I.			
G Final Closed-in Pressure	1418 P.S.I.			
H Final Hydrostatic Mud	2084 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>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>	75	0	51	0	85	0	51
P 2 <u>5</u>	64	3	713	5	70	3	303
P 3 <u>10</u>	61	6	1121	10	62	6	824
P 4 <u>15</u>	55	9	1286	15	55	9	1119
P 5 <u>20</u>	51	12	1359	20	51	12	1228
P 6 <u>25</u>	51	15	1393	25	51	15	1272
P 7 <u>30</u>	51	18	1405	30	51	18	1303
P 8		21	1417	35	51	21	1322
P 9		24	1430	40	51	24	1343
P10		27	1441	45	51	27	1359
P11		30	1452	50	51	30	1370
P12				55	51	33	1376
P13				60	51	36	1382
P14						39	1388
P15						42	1393
P16						45	1399
P17						48	1403
P18						51	1407
P19						54	1411
P20						57	1415
						60	1418

2604 DST#2

TR# 3382
I.



Company Gear Petroleum Company Lease & Well No. Soft #1
Elevation 1551 Kelly Bushing Mississippi Effective Pay -- Ft. Ticket No. 3382
Date 8/12/79 Sec. 34 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Phil Hart Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4028 ft. to 4037 ft. Total Depth 4037 ft.

Packer Depth 4028 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4029 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4032 ft. Recorder Number 2606 Cap. 4150

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

Drilling Contractor Red Tiger Drilling Rig #3

Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 60

Weight Pipe Length 540 I. D. 2 1/4 in.

Weight 9.5 Water Loss 10. cc.

Drill Pipe Length 3464 I. D. 3.8 in.

Chlorides 52,000 P.P.M.

Test Tool Length 15 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number -

Anchor Length 9 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: Strong blow in seven minutes on initial flow. Strong blow on final flow period. Gas to surface 50 minutes; 1/2" orifice (50 min. 10,900 CFPD; 60 min. 12,500 CFPD)

Recovered 60 ft. of slightly oil cut mud

Recovered 120 ft. of heavy oil cut mud

Recovered 120 ft. of foamy gas cut oil

Recovered 60 ft. of clean oil

Recovered ft. of

Remarks:

Time Set Packer(s) 4:45 A.M. Time Started Off Bottom 7:45 A.M. Maximum Temperature 124

Initial Hydrostatic Pressure (A) 2207 P.S.I.

Initial Flow Period 30 Minutes (B) 20 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period 36 Minutes (D) 1408 P.S.I.

Final Flow Period 60 Minutes (E) 113 P.S.I. to (F) 139 P.S.I.

Final Closed In Period 63 Minutes (G) 1498 P.S.I.

Final Hydrostatic Pressure (H) 2098 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/12/79 Recorder No. 2604 Capacity 4150 Test Ticket No. 3382
 Location 4029 Ft. 124
 Clock No. -- Elevation 1551 Kelly Bushing Well Temperature °F

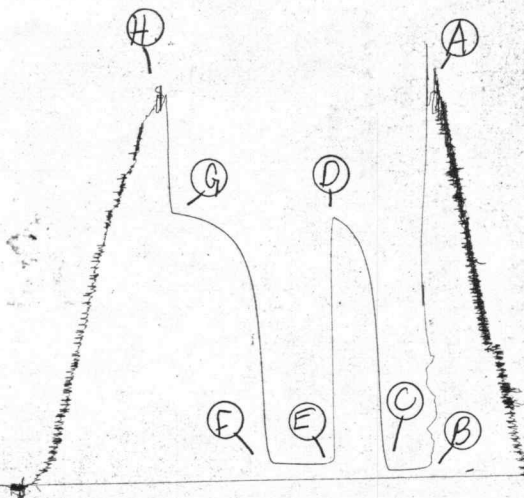
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2207	P.S.I.	4:45P	M
B First Initial Flow Pressure	20	P.S.I.	30	Mins. 30
C First Final Flow Pressure	35	P.S.I.	30	Mins. 36
D Initial Closed-in Pressure	1408	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	113	P.S.I.	60	Mins. 63
F Second Final Flow Pressure	139	P.S.I.		
G Final Closed-in Pressure	1498	P.S.I.		
H Final Hydrostatic Mud	2098	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>20</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>113</u>	<u>0</u>	<u>139</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>53</u>	<u>5</u>	<u>116</u>	<u>3</u>	<u>161</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>130</u>	<u>10</u>	<u>119</u>	<u>6</u>	<u>241</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>241</u>	<u>15</u>	<u>121</u>	<u>9</u>	<u>376</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>364</u>	<u>20</u>	<u>123</u>	<u>12</u>	<u>504</u>
P 6 <u>25</u>	<u>34</u>	<u>15</u>	<u>500</u>	<u>25</u>	<u>125</u>	<u>15</u>	<u>617</u>
P 7 <u>30</u>	<u>35</u>	<u>18</u>	<u>625</u>	<u>30</u>	<u>127</u>	<u>18</u>	<u>751</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>774</u>	<u>35</u>	<u>129</u>	<u>21</u>	<u>901</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>948</u>	<u>40</u>	<u>131</u>	<u>24</u>	<u>1082</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1131</u>	<u>45</u>	<u>133</u>	<u>27</u>	<u>1230</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1284</u>	<u>50</u>	<u>135</u>	<u>30</u>	<u>1320</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>1374</u>	<u>55</u>	<u>137</u>	<u>33</u>	<u>1374</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>1408</u>	<u>60</u>	<u>139</u>	<u>36</u>	<u>1403</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>1430</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>1448</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>1462</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>48</u>	<u>1471</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>51</u>	<u>1480</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>54</u>	<u>1487</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>1492</u>
						<u>60</u>	<u>1496</u>
						<u>63</u>	<u>1498</u>

TKF# 3383

I



Company Gear Petroleum Company Lease & Well No. Soft #1
Elevation 1551 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 3383
Date 8/13/79 Sec. 34 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Phil Hart Western Representative Rod Tritt

Formation Test No. 3 Interval Tested from 4038 ft. to 4048 ft. Total Depth 4048 ft.

Packer Depth 4038 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4039 ft.

Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4042 ft.

Recorder Number 2606 Cap. 4150

Below Straddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor Red Tiger Drilling Rig #3

Drill Collar Length -- I. D. -- in.

Mud Type starch Viscosity 44

Weight Pipe Length 540 I. D. 2 1/2 in.

Weight 9.4 Water Loss 10. cc.

Drill Pipe Length 3443 I. D. 3.8 in.

Chlorides 52,000 P.P.M.

Test Tool Length 15 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number --

Anchor Length 10 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 building to strong blow ten minutes on initial flow period. Weak to strong on final flow. No gas to surface.

Recovered 360 ft. of gas in pipe

Recovered 120 ft. of gas and heavy oil cut watery mud

Recovered 120 ft. of gas cut muddy water (some oil show)

Recovered 120 ft. of gas cut water

Recovered ft. of

Remarks:

Time Set Packer(s) 7:40 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:40 ~~P.M.~~ ^{A.M.} Maximum Temperature 132
Initial Hydrostatic Pressure (A) 2099 P.S.I.
Initial Flow Period Minutes 30 (B) 79 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period Minutes 30 (D) 1431 P.S.I.
Final Flow Period Minutes 60 (E) 109 P.S.I. to (F) 97 P.S.I.
Final Closed In Period Minutes 60 (G) 1469 P.S.I.
Final Hydrostatic Pressure (H) 2156 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/79 Recorder No. 2604 Capacity 4150 Test Ticket No. 3383
 Clock No. -- Elevation 1551 Kelly Bushing Location 4039 Ft. 132
 Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2099	P.S.I.	7:40A	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins.
C First Final Flow Pressure	43	P.S.I.	30	Mins.
D Initial Closed-in Pressure	1431	P.S.I.	60	Mins.
E Second Initial Flow Pressure	109	P.S.I.	60	Mins.
F Second Final Flow Pressure	97	P.S.I.		
G Final Closed-in Pressure	1469	P.S.I.		
H Final Hydrostatic Mud	2156	P.S.I.		

Open Tool
 First Flow Pressure
 Initial Closed-in Pressure
 Second Flow Pressure
 Final Closed-in Pressure

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 13 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 22 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 <u>0</u>	<u>79</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>97</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>94</u>	<u>5</u>	<u>89</u>	<u>3</u>	<u>130</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>363</u>	<u>10</u>	<u>86</u>	<u>6</u>	<u>299</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>726</u>	<u>15</u>	<u>85</u>	<u>9</u>	<u>600</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>1029</u>	<u>20</u>	<u>85</u>	<u>12</u>	<u>899</u>
P 6 <u>25</u>	<u>43</u>	<u>15</u>	<u>1157</u>	<u>25</u>	<u>87</u>	<u>15</u>	<u>1067</u>
P 7 <u>30</u>	<u>43</u>	<u>18</u>	<u>1226</u>	<u>30</u>	<u>90</u>	<u>18</u>	<u>1155</u>
P 8		<u>21</u>	<u>1284</u>	<u>35</u>	<u>92</u>	<u>21</u>	<u>1224</u>
P 9		<u>24</u>	<u>1325</u>	<u>40</u>	<u>94</u>	<u>24</u>	<u>1268</u>
P10		<u>27</u>	<u>1355</u>	<u>45</u>	<u>97</u>	<u>27</u>	<u>1303</u>
P11		<u>30</u>	<u>1380</u>			<u>30</u>	<u>1332</u>
P12		<u>33</u>	<u>1397</u>			<u>33</u>	<u>1351</u>
P13		<u>36</u>	<u>1412</u>			<u>36</u>	<u>1371</u>
P14		<u>39</u>	<u>1431</u>			<u>39</u>	<u>1389</u>
P15						<u>42</u>	<u>1401</u>
P16						<u>45</u>	<u>1412</u>
P17						<u>48</u>	<u>1423</u>
P18						<u>51</u>	<u>1431</u>
P19						<u>54</u>	<u>1439</u>
P20						<u>57</u>	<u>1448</u>
						<u>60</u>	<u>1454</u>
						<u>63</u>	<u>1459</u>
						<u>66</u>	<u>1469</u>