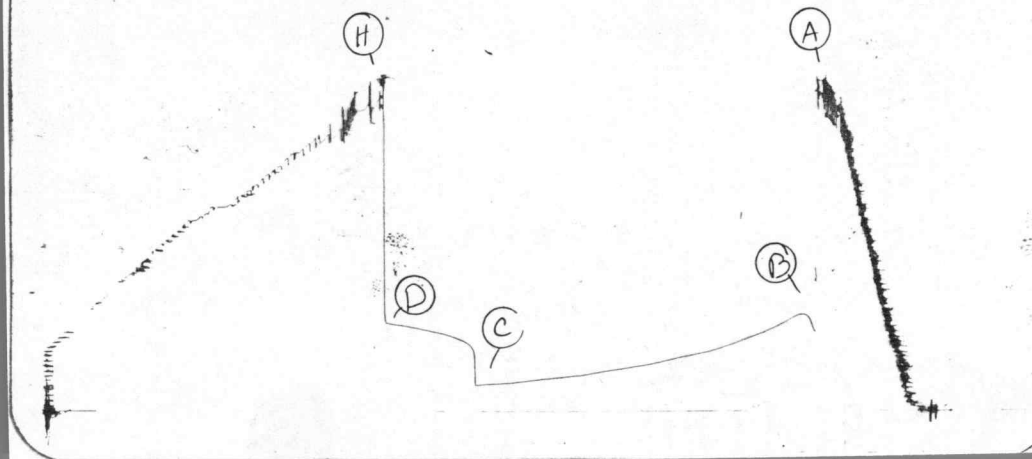


6246

GEAR per ...
CALKIN #1
DST #1



Company Gear Petroleum Company Lease & Well No. Calkin #1
Elevation 1534 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 3368
Date 8/24/79 Sec. 34 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Phil Hart Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 4020 ft. to 4034 ft. Total Depth 4034 ft.

Packer Depth 4020 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4020 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4026 ft. Recorder Number 6246 Cap. 5200

Bottom Recorder Depth (Outside) 4029 ft. Recorder Number 5673 Cap. 5400

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

Drilling Contractor Red Tiger Drilling #3 Drill Collar Length -- I. D. -- in.

Mud Type starch Viscosity 39 Weight Pipe Length -- I. D. -- in.

Weight 9.8 Water Loss 11.0 cc. Drill Pipe Length 4005 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 15 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 14 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 FH in.

Blow: Strong blow. Gas to surface one minute. See attached sheet for gas measurements.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:07 A.M. -- P.M. Time Started Off Bottom 2:17 A.M. -- P.M. Maximum Temperature 128

Initial Hydrostatic Pressure 2245 (A) P.S.I.

Initial Flow Period 250 Minutes (B) 526 P.S.I. to (C) 175 P.S.I.

Initial Closed In Period 60 Minutes (D) 594 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 2243 (H) P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 8/24/79 Ticket 3368 Company Gear Petroleum Company
Well Name and No. Calkin #1 Dst No. 1 Interval Tested 4020'-4034'
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
PRE FLOW						
	10 min.	78" of water	1½" orifice			5,424,000 CFPD
	20 min.	76" of water	1½" orifice			5,304,000 CFPD
	30 min.	68" of water	1½" orifice			4,827,000 CFPD
	40 min.	No report				
	50 min.	No report				
	60 min.	50" of water	1½" orifice			3,752,000 CFPD
	70 min.	48" of water	1½" orifice			3,633,000 CFPD
	80 min.	42" of water	1½" orifice			3,274,000 CFPD
	90 min.	38" of water	1½" orifice			3,036,000 CFPD
	100 min.	36" of water	1½" orifice			2,916,000 CFPD
	110 min.	32" of water	1½" orifice			2,675,000 CFPD
	120 min.	30" of water	1½" orifice			2,558,000 CFPD
	130 min.	28" of water	1½" orifice			2,441,000 CFPD
	140 min.	24" of water	1½" orifice			2,200,000 CFPD
	150 min.	24" of water	1½" orifice			2,200,000 CFPD
	160 min.	22" of water	1½" orifice			2,075,000 CFPD
	170 min.	20" of water	1½" orifice			1,949,000 CFPD
	180 min.	18" of water	1½" orifice			1,824,000 CFPD
	190 min.	16" of water	1½" orifice			1,694,000 CFPD
	200 min.	16" of water	1½" orifice			1,694,000 CFPD
	210 min.	14" of water	1½" orifice			1,559,000 CFPD
	220 min.	14" of water	1½" orifice			1,559,000 CFPD
	230 min.	12" of water	1½" orifice			1,420,000 CFPD
	240 min.	No report				
	250 min.	No report				

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 8/24/79

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 8/24/79 Recorder No. 6246 Capacity 5200 Test Ticket No. 3368
 Location 4026 Ft. Clock No. -- Elevation 1534 Ground Level Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245	P.S.I.	9:07 A	M
B First Initial Flow Pressure	526	P.S.I.	250	Mins.
C First Final Flow Pressure	175	P.S.I.	60	Mins.
D Initial Closed-in Pressure	594	P.S.I.	--	Mins.
E Second Initial Flow Pressure	--	P.S.I.	--	Mins.
F Second Final Flow Pressure	--	P.S.I.	--	Mins.
G Final Closed-in Pressure	--	P.S.I.	--	Mins.
H Final Hydrostatic Mud	2243	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure				Initial Shut-In				Second Flow Pressure				Final Shut-In			
Breakdown: <u>50</u> Inc.				Breakdown: <u>20</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.	Point Minutes	Press.	Point Minutes	Press.				
P 1 <u>0</u>	<u>526</u>	<u>0</u>	<u>175</u>												
P 2 <u>5</u>	<u>626</u>	<u>3</u>	<u>416</u>												
P 3 <u>10</u>	<u>649</u>	<u>6</u>	<u>448</u>												
P 4 <u>15</u>	<u>634</u>	<u>9</u>	<u>469</u>												
P 5 <u>20</u>	<u>615</u>	<u>12</u>	<u>476</u>												
P 6 <u>25</u>	<u>589</u>	<u>15</u>	<u>492</u>												
P 7 <u>30</u>	<u>558</u>	<u>18</u>	<u>500</u>												
P 8 <u>35</u>	<u>576</u>	<u>21</u>	<u>513</u>												
P 9 <u>40</u>	<u>594</u>	<u>24</u>	<u>518</u>												
P10 <u>45</u>	<u>503</u>	<u>27</u>	<u>525</u>												
P11 <u>50</u>	<u>487</u>	<u>30</u>	<u>531</u>												
P12 <u>55</u>	<u>471</u>	<u>33</u>	<u>537</u>												
P13 <u>60</u>	<u>450</u>	<u>36</u>	<u>543</u>												
P14 <u>65</u>	<u>440</u>	<u>39</u>	<u>549</u>												
P15 <u>70</u>	<u>419</u>	<u>42</u>	<u>554</u>												
P16 <u>75</u>	<u>408</u>	<u>45</u>	<u>560</u>												
P17 <u>80</u>	<u>395</u>	<u>48</u>	<u>567</u>												
P18 <u>85</u>	<u>385</u>	<u>51</u>	<u>573</u>												
P19 <u>90</u>	<u>380</u>	<u>54</u>	<u>580</u>												
P20 <u>95</u>	<u>364</u>	<u>57</u>	<u>587</u>												
<u>100</u>	<u>355</u>	<u>60</u>	<u>594</u>												
WTC : <u>4</u>															

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 8/24/79 Test Ticket No. 3368
 Recorder No. 6246 Capacity 5200 Location 4026 Ft.
 Clock No. -- Elevation 1534 Ground Level Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245	P.S.I.	9:07 A	M
B First Initial Flow Pressure	526	P.S.I.	250	Mins.
C First Final Flow Pressure	175	P.S.I.	60	Mins.
D Initial Closed-in Pressure	594	P.S.I.	--	Mins.
E Second Initial Flow Pressure	--	P.S.I.	--	Mins.
F Second Final Flow Pressure	--	P.S.I.	--	Mins.
G Final Closed-in Pressure	--	P.S.I.	--	Mins.
H Final Hydrostatic Mud	2243	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>50</u> Inc.		Breakdown: <u>20</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	105 346						
P 2	110 335						
P 3	115 326						
P 4	120 317						
P 5	125 306						
P 6	130 301						
P 7	135 293						
P 8	140 286						
P 9	145 279						
P10	150 272						
P11	155 264						
P12	160 257						
P13	165 249						
P14	170 244						
P15	175 238						
P16	180 233						
P17	185 227						
P18	190 222						
P19	195 217						
P20	200 213						

WESTERN TESTING CO., INC.

*Pressure Data

Date 8/24/79 Recorder No. 6246 Capacity 5200 Test Ticket No. 3368
 Clock No. -- Elevation 1534 Ground Level Location 4026 Ft. 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245	P.S.I.	9:07 A	M
B First Initial Flow Pressure	526	P.S.I.	250	Mins. 250 Mins.
C First Final Flow Pressure	175	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	594	P.S.I.	--	Mins. -- Mins.
E Second Initial Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
F Second Final Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2243	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>50</u> Inc.		Breakdown: <u>20</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	205						
P 2	210						
P 3	215						
P 4	220						
P 5	225						
P 6	230						
P 7	235						
P 8	240						
P 9	245						
P 10	250						
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

TKT # 3369
I.

(H)

(A)

(G)

(F)

(E)

(D)

(C)

(B)

Company Gear Petroleum Company Lease & Well No. Calkin #1
Elevation 1534 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 3369
Date 8/25/79 Sec. 34 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Phil Hart Western Representative Vernon Wondra

Formation Test No. 2 Interval Tested from 4035 ft. to 4044 ft. Total Depth 4044 ft.

Packer Depth 4035 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) 4046 ft.

Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4049 ft.

Recorder Number 6246 Cap. 5200

Below Straddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor Red Tiger Rig #3

Drill Collar Length - I. D. - in.

Mud Type gel+ starch Viscosity 46

Weight Pipe Length 1098 I. D. 2.7 in.

Weight 9.8 Water Loss 13.0 cc.

Drill Pipe Length 2921 I. D. 3.8 in.

Chlorides 35,000 P.P.M.

Test Tool Length 16 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number --

Anchor Length 9 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 FH in.

Blow: Strong blow throughout both flow periods. Gas to surface in fifty minutes on second opening. Too small amount to measure.

Recovered 15 ft. of mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 7:10 A.M. Time Started Off Bottom 10:10 P.M. Maximum Temperature 128

Initial Hydrostatic Pressure 2221 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 30 P.S.I. to (C) 33 P.S.I.

Initial Closed In Period 30 Minutes (D) 161 P.S.I.

Final Flow Period 60 Minutes (E) 41 P.S.I. to (F) 38 P.S.I.

Final Closed In Period 60 Minutes (G) 434 P.S.I.

Final Hydrostatic Pressure 2195 (H) P.S.I.

WESTERN TESTING CO., INC. Pressure Data

Date 8/25/79
 Recorder No. 5673 Capacity 5400 Test Ticket No. 3369
 Clock No. -- Elevation 1534 Ground Level Location 4046 Ft.
 Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2221	P.S.I.	7:10A	M
B First Initial Flow Pressure	30	P.S.I.	30	Mins. 30
C First Final Flow Pressure	33	P.S.I.	30	Mins. 30
D Initial Closed-in Pressure	161	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	41	P.S.I.	60	Mins. 60
F Second Final Flow Pressure	38	P.S.I.		
G Final Closed-in Pressure	434	P.S.I.		
H Final Hydrostatic Mud	2195	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.

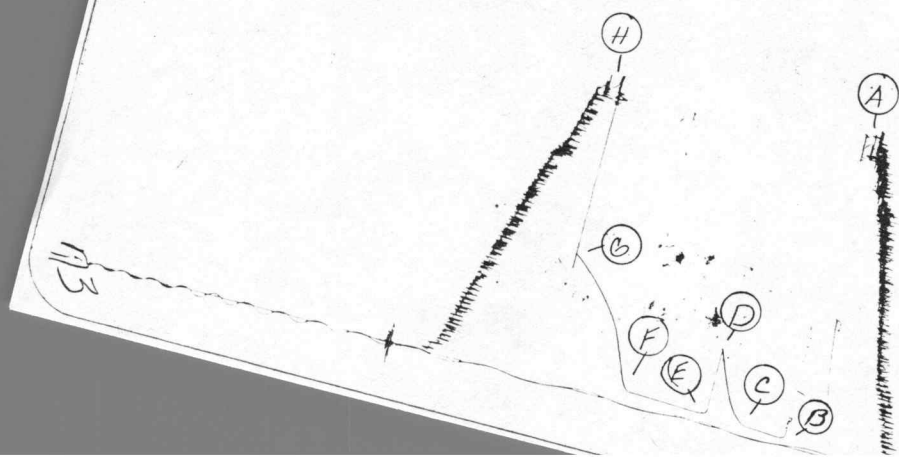
Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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	30	0	33	0	41	0	38
P 2 5	33	3	42	5	38	3	90
P 3 10	33	6	43	10	38	6	137
P 4 15	33	9	49	15	38	9	158
P 5 20	33	12	57	20	38	21	178
P 6 25	33	15	66	25	38	15	186
P 7 30	33	18	77	30	38	18	205
P 8		21	90	35	38	21	224
P 9		24	101	40	38	24	235
P10		27	128	45	38	27	249
P11		30	161	50	38	30	262
P12				55	38	33	268
P13				60	38	36	279
P14						39	295
P15						42	306
P16						45	321
P17						48	342
P18						51	361
P19						54	372
P20						57	402
						60	434

Trk # 3370
I



Company Gear Petroleum Company Lease & Well No. Calkin #1
Elevation 1534 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 3370
Date 8/26/79 Sec. 34 Twp. 28 Range 6W County Kingman State Kansas
Test Approved by Phil Hart Western Representative Vernon Wondra

Formation Test No. 3 Interval Tested from 4055 ft. to 4071 ft. Total Depth 4071 ft.

Packer Depth 4055 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) 4061 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4064 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Red Tiger Rig #3 Drill Collar Length - I. D. - in.

Mud Type gel +starch Viscosity 46 Weight Pipe Length 1077 I. D. 2.7 in.

Weight 9.4 Water Loss 9.2 cc. Drill Pipe Length 2962 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 16 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 16 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 FH in.

Blow: Strong blow decreased to weak 2" blow by end of second flow period.

Recovered 30 ft. of slightly oil and gas cut mud

Recovered 60 ft. of slightly oil and gas cut watery mud

Recovered 60 ft. of slightly oil and gas cut muddy water (chlorides 98,000 ppm)

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:20 A.M. P.M. Time Started Off Bottom 4:20 A.M. P.M. Maximum Temperature 127
Initial Hydrostatic Pressure 2181 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 25 P.S.I. to (C) 41 P.S.I.
Initial Closed In Period 30 Minutes (D) 533 P.S.I.
Final Flow Period 60 Minutes (E) 62 P.S.I. to (F) 71 P.S.I.
Final Closed In Period 63 Minutes (G) 926 P.S.I.
Final Hydrostatic Pressure 2103 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 8/26/79

Recorder No. 5673

Test Ticket No. 3370

Capacity 5400

Location 4061 Ft.

Clock No. -- Elevation 1534 Ground Level

Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2181	P.S.I.	1:20A	M
B First Initial Flow Pressure	25	P.S.I.	30	30
C First Final Flow Pressure	41	P.S.I.	30	30
D Initial Closed-in Pressure	533	P.S.I.	60	60
E Second Initial Flow Pressure	62	P.S.I.	60	63
F Second Final Flow Pressure	71	P.S.I.		
G Final Closed-in Pressure	926	P.S.I.		
H Final Hydrostatic Mud	2103	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: 10 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 Inc.

of 5 mins. and a

final inc. of 0 Min.

Final Shut-In

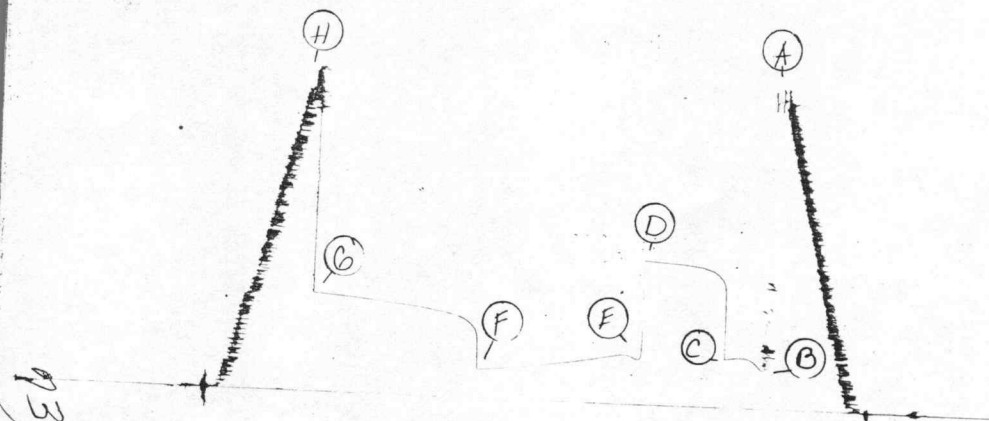
Breakdown: 21 Inc.

of 3 mins. and a

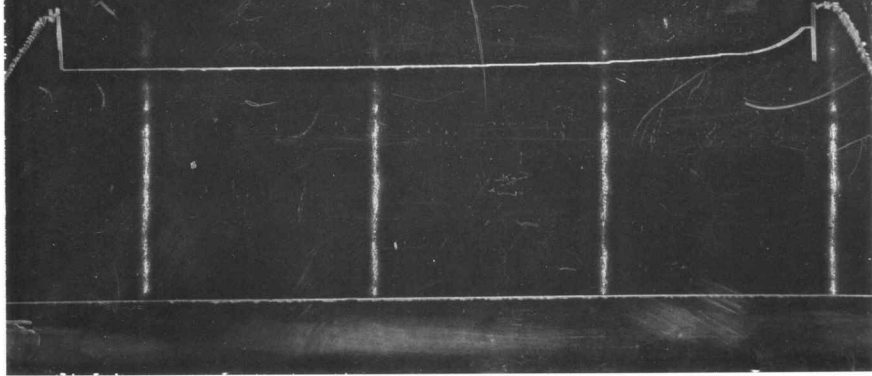
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>25</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>71</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>55</u>	<u>3</u>	<u>85</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>74</u>	<u>10</u>	<u>57</u>	<u>6</u>	<u>126</u>
P 4 <u>15</u>	<u>36</u>	<u>9</u>	<u>104</u>	<u>15</u>	<u>60</u>	<u>9</u>	<u>197</u>
P 5 <u>20</u>	<u>38</u>	<u>12</u>	<u>131</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>268</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>183</u>	<u>25</u>	<u>60</u>	<u>15</u>	<u>344</u>
P 7 <u>30</u>	<u>41</u>	<u>18</u>	<u>243</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>421</u>
P 8		<u>21</u>	<u>303</u>	<u>35</u>	<u>65</u>	<u>21</u>	<u>470</u>
P 9		<u>24</u>	<u>374</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>525</u>
P10		<u>27</u>	<u>454</u>	<u>45</u>	<u>68</u>	<u>27</u>	<u>568</u>
P11		<u>30</u>	<u>533</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>620</u>
P12				<u>55</u>	<u>70</u>	<u>33</u>	<u>648</u>
P13				<u>60</u>	<u>71</u>	<u>36</u>	<u>680</u>
P14						<u>39</u>	<u>719</u>
P15						<u>42</u>	<u>749</u>
P16						<u>45</u>	<u>784</u>
P17						<u>48</u>	<u>809</u>
P18						<u>51</u>	<u>831</u>
P19						<u>54</u>	<u>864</u>
P20						<u>57</u>	<u>883</u>
						<u>60</u>	<u>907</u>
						<u>63</u>	<u>926</u>

TKt # 3371
I



Kit # 3371
Below Staircase



Company Gear Petroleum Company Lease & Well No. Calkin #1
Elevation 1534 Ground Level Mississippi Effective Pay -- Ft. Ticket No. 3371
Date 8/26/79 Sec. 34 Twp. 28 Range 6 County Kingman State Kansas
Test Approved by Phil Hart Western Representative Vernon Wondra
Formation Test No. 4 Interval Tested from 4020 ft. to 4036 ft. Total Depth 4071 ft.
Packer Depth 4020 ft. Size 6 3/4 in. Packer Depth 4036 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4024 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 4027 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth 4068 ft. Recorder Number WTC Cap. -
Drilling Contractor Red Tiger Rig # 3 Drill Collar Length - I. D. - in.
Mud Type gel + starch Viscosity 40 Weight Pipe Length 1077 I. D. 2.7 in.
Weight 10.0 Water Loss NC cc. Drill Pipe Length 2927 I. D. 3.8 in.
Chlorides 24,000 P.P.M. Test Tool Length 16 ft. Tool Size 5 1/2 OD in.
Jars: Make -- Serial Number -- Anchor Length 16 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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: Gas to surface in one minute. Gauged 2,190,000 CFPD Maximum.

See attached sheet for gas measurements.

Recovered 30 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:55 A.M. Time Started Off Bottom 2:25 P.M. Maximum Temperature 123
Initial Hydrostatic Pressure 2175 P.S.I.
Initial Flow Period 30 Minutes (A) 273 P.S.I. to (C) 347 P.S.I.
Initial Closed In Period 60 Minutes (D) 1017 P.S.I.
Final Flow Period 120 Minutes (E) 320 P.S.I. to (F) 202 P.S.I.
Final Closed In Period 120 Minutes (G) 697 P.S.I.
Final Hydrostatic Pressure 2122 P.S.I. (H)



GAS FLOW REPORT

Date 8/26/79 Ticket 3371 Company Gear Petroleum Company
Well Name and No. Calkin #1 Dst No. 4 Interval Tested 4020' - 4036'
County Kingman State Kansas Sec. 34 Twp. 28 Rg. 6

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
Gas to surface in one minute. PRE FLOW						
	10 min.	9 lbs.	2" open flow			2,190,000 CFPD
	20 min.	9 lbs.	2" open flow			2,190,000 CFPD
	29 min.	9 lbs.	2" open flow			2,190,000 CFPD

SECOND FLOW						
	10 min.	9 lbs.	2" open flow			2,190,000 CFPD
	20 min.	7.5 lbs.	2" open flow			2,000,000 CFPD
	30 min.	7.5 lbs.	2" open flow			2,000,000 CFPD
	40 min.	6.5 lbs.	2" open flow			1,860,000 CFPD
	50 min.	6 lbs.	2" open flow			1,790,000 CFPD
	60 min.	5 lbs.	2" open flow			1,630,000 CFPD
	70 min.	4 lbs.	2" open flow			1,450,000 CFPD
	80 min.	4 lbs.	2" open flow			1,450,000 CFPD
	90 min.	4 lbs.	2" open flow			1,450,000 CFPD
	100 min.	3 lbs.	2" open flow			1,250,000 CFPD
	110 min.	3 lbs.	2" open flow			1,250,000 CFPD
	120 min.	3 lbs.	2" open flow			1,250,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 8/26/79

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 Vernon Wondra

WESTERN TESTING CO., INC.

Pressure Data

Date 8/26/79 Recorder No. 5673 Capacity 5400 Test Ticket No. 3371
 Clock No. -- Elevation 1534 Ground Level Location 4024 Ft. --
 Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2175	P.S.I.	8:55A	M
B First Initial Flow Pressure	273	P.S.I.	30	Mins.
C First Final Flow Pressure	347	P.S.I.	60	Mins.
D Initial Closed-in Pressure	1017	P.S.I.	120	Mins.
E Second Initial Flow Pressure	320	P.S.I.	120	Mins.
F Second Final Flow Pressure	202	P.S.I.		
G Final Closed-in Pressure	697	P.S.I.		
H Final Hydrostatic Mud	2122	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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 24 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 40 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	273	0	347	0	320	0	202
P 2 5	287	3	891	5	328	3	497
P 3 10	333	6	932	10	350	6	525
P 4 15	355	9	951	15	349	9	549
P 5 20	358	12	964	20	342	12	566
P 6 25	358	15	973	25	331	15	574
P 7 30	347	18	981	30	322	18	579
P 8		21	986	35	313	21	590
P 9		24	989	40	303	24	596
P10		27	995	45	294	27	601
P11		30	997	50	284	30	607
P12		33	1000	55	276	33	609
P13		36	1003	60	270	36	615
P14		39	1005	65	264	39	620
P15		42	1007	70	257	42	623
P16		45	1009	75	251	45	625
P17		48	1010	80	246	48	631
P18		51	1012	85	238	51	635
P19		54	1013	90	232	54	638
P20		57	1014	95	227	57	641
		60	1017	100	221	60	644

Pressure Data

Date 8/26/79 Test Ticket No. 3371
 Recorder No. 5673 Capacity 5400 Location 4024
 Clock No. -- Elevation 1534 Ground Level Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2175	P.S.I.	8:55A	M
B First Initial Flow Pressure	273	P.S.I.	30	Mins. 30 Min
C First Final Flow Pressure	347	P.S.I.	60	Mins. 60 Min
D Initial Closed-in Pressure	1017	P.S.I.	120	Mins. 120 Min
E Second Initial Flow Pressure	320	P.S.I.	120	Mins. 120 Min
F Second Final Flow Pressure	202	P.S.I.		
G Final Closed-in Pressure	697	P.S.I.		
H Final Hydrostatic Mud	2122	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>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>40</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				105	216	63	648
P 2				110	211	66	652
P 3				115	207	69	655
P 4				120	202	72	658
P 5						75	661
P 6						78	664
P 7						81	666
P 8						84	668
P 9						87	670
P10						90	672
P11						93	676
P12						96	680
P13						99	683
P14						102	686
P15						105	689
P16						108	691
P17						111	693
P18						114	695
P19						117	696
P20						120	697