

Company Gear Petroleum Company, Inc. Lease & Well No. Einsel 'F' #1
Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 6829
Date 8/11/80 Sec. 7 Twp. 27S Range 20W County Kiowa State Kansas
Test Approved by Bob Jenkins Western Representative Jeff Piotrowski
Formation Test No. 1 Interval Tested from 4855 ft. to 4895 ft. Total Depth 4895 ft.
Packer Depth 4850 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4855 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4858 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 4861 ft. Recorder Number 1565 Cap. 4900
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Red Tiger Drilling Rig #3 Drill Collar Length - I. D. - in.
Mud Type chemical Viscosity 31 Weight Pipe Length 1200 I. D. 3.2 in.
Weight 9.1 Water Loss -- cc. Drill Pipe Length 3635 I. D. 3.8 in.
Chlorides 14,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 40 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. Gas to surface in ten minutes. See attached sheet for gas measurements.

Recovered 240 ft. of gas cut mud Chlorides 15,000 ppm

Recovered 180 ft. of gas cut muddy water 35,000 ppm

Recovered 180 ft. of water 52,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:55 A.M. Time Started Off Bottom 2:10 A.M. Maximum Temperature 125°
Initial Hydrostatic Pressure (A) 2308 P.S.I.
Initial Flow Period Minutes 30 (B) 172 P.S.I. to (C) 210 P.S.I.
Initial Closed In Period Minutes 48 (D) 1362 P.S.I.
Final Flow Period Minutes 30 (E) 262 P.S.I. to (F) 281 P.S.I.
Final Closed In Period Minutes 90 (G) 1357 P.S.I.
Final Hydrostatic Pressure (H) 2259 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8-11-80

Test Ticket No. 6829

Recorder No. 5673

Capacity 5400

Location 4858 Ft.

Clock No. _____ Elevation -

Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2308	P.S.I.	10:55 A M	
B First Initial Flow Pressure	172	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	210	P.S.I.	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1362	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	262	P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	281	P.S.I.		
G Final Closed-in Pressure	1357	P.S.I.		
H Final Hydrostatic Mud	2259	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>30</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>172</u>	<u>0</u>	<u>210</u>	<u>0</u>	<u>262</u>	<u>0</u>	<u>281</u>
P 2 <u>5</u>	<u>191</u>	<u>3</u>	<u>677</u>	<u>5</u>	<u>251</u>	<u>3</u>	<u>598</u>
P 3 <u>10</u>	<u>188</u>	<u>6</u>	<u>879</u>	<u>10</u>	<u>254</u>	<u>6</u>	<u>806</u>
P 4 <u>15</u>	<u>188</u>	<u>9</u>	<u>978</u>	<u>15</u>	<u>262</u>	<u>9</u>	<u>934</u>
P 5 <u>20</u>	<u>207</u>	<u>12</u>	<u>1051</u>	<u>20</u>	<u>270</u>	<u>12</u>	<u>1013</u>
P 6 <u>25</u>	<u>210</u>	<u>15</u>	<u>1110</u>	<u>25</u>	<u>278</u>	<u>15</u>	<u>1072</u>
P 7 <u>30</u>	<u>210</u>	<u>18</u>	<u>1164</u>	<u>30</u>	<u>281</u>	<u>18</u>	<u>1145</u>
P 8 _____		<u>21</u>	<u>1216</u>			<u>21</u>	<u>1186</u>
P 9 _____		<u>24</u>	<u>1256</u>			<u>24</u>	<u>1213</u>
P10 _____		<u>27</u>	<u>1286</u>			<u>27</u>	<u>1237</u>
P11 _____		<u>30</u>	<u>1308</u>			<u>30</u>	<u>1321</u>
P12 _____		<u>33</u>	<u>1324</u>			<u>33</u>	<u>1318</u>
P13 _____		<u>36</u>	<u>1335</u>			<u>36</u>	<u>1318</u>
P14 _____		<u>39</u>	<u>1345</u>			<u>39</u>	<u>1318</u>
P15 _____		<u>42</u>	<u>1354</u>			<u>42</u>	<u>1316</u>
P16 _____		<u>45</u>	<u>1356</u>			<u>45</u>	<u>1318</u>
P17 _____		<u>48</u>	<u>1362</u>			<u>48</u>	<u>1321</u>
P18 _____						<u>51</u>	<u>1326</u>
P19 _____						<u>54</u>	<u>1332</u>
P20 _____						<u>57</u>	<u>1335</u>
						<u>60</u>	<u>1337</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8-11-80

Test Ticket No. 6829

Recorder No. 5673

Capacity 5400

Location 4858 Ft.

Clock No. _____ Elevation -

Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2308</u> P.S.I.	Open Tool	<u>10:55</u> A M	
B First Initial Flow Pressure	<u>172</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>210</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1362</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>262</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>281</u> P.S.I.			
G Final Closed-in Pressure	<u>1357</u> P.S.I.			
H Final Hydrostatic Mud	<u>2259</u> 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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 30 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	1340
P 2						66	1343
P 3						69	1345
P 4						72	1348
P 5						75	1351
P 6						78	1353
P 7						81	1354
P 8						84	1355
P 9						87	1356
P10						90	1357
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

GAS FLOW REPORT

Date 8/11/80 Ticket 6829 Company Gear Petroleum Company, Inc.
 Well Name and No. Einsel 'F' #1 Dst No. 1 Interval Tested 4855' - 4895'
 County Kiowa State Kansas Sec. 7 Twp. 27S Rg. 20W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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.	3 lbs.	1/2" orifice			59,200 CFPD
	20 min.	3 lbs.	1/2" orifice			59,200 CFPD

SECOND FLOW						
	10 min.	13" of water	1/2" orifice			22,800 CFPD
	20 min.	20" of water	1/2" orifice			28,000 CFPD
	30 min.	20" of water	1/2" orifice			28,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 8/11/80

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 1/2% per month, equal to 18% 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, Inc.
 Bob Jenkins
 Authorized by _____

5623

Dst #1

SKT # 6829

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