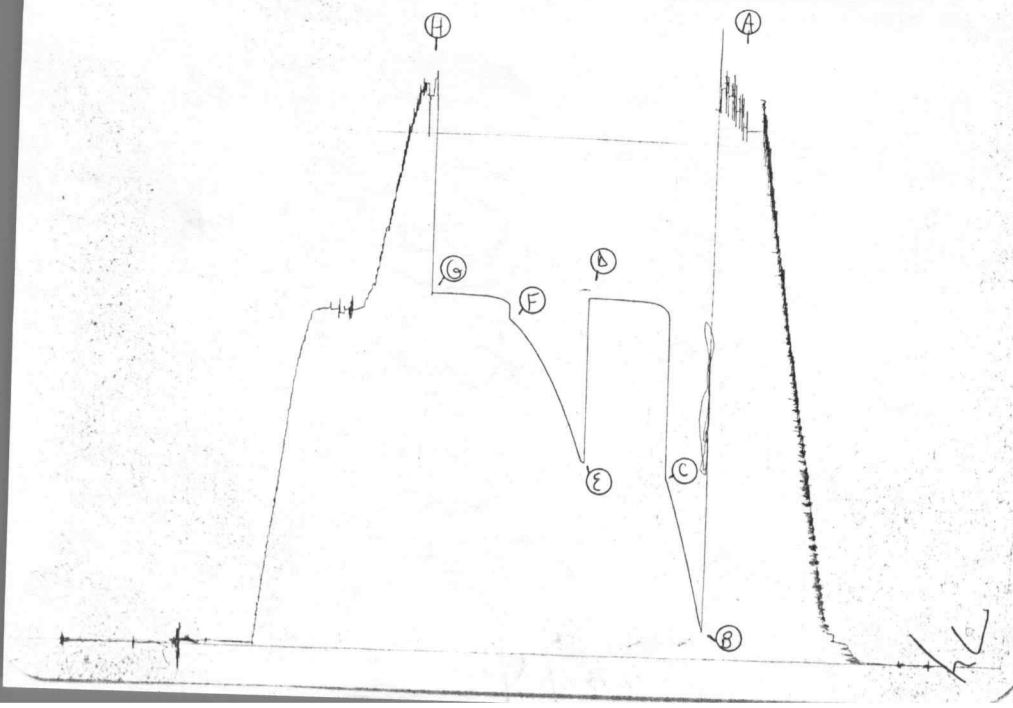


TKT # 12149

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Company Keener Oil Company Lease & Well No. #2 Mervin Eck
Elevation 1715 Ground Level Formation Viola Effective Pay - Ft. Ticket No. 12149
Date 6/18/81 Sec. 33 Twp. 28S Range 9W County Kingman State Kansas
Test Approved by Terry McLeod Western Representative Denis Wondra
Formation Test No. 1 Interval Tested from 4462 ft. to 4475 ft. Total Depth 4475 ft.
Packer Depth 4457 ft. Size 6 5/8 in. Packer Depth 4462 ft. Size 6 5/8 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4465 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 4468 ft. Recorder Number 1049 Cap. 4250
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor H-30 Rig #77 Drill Collar Length 180 I. D. 2.7 in.
Mud Type Starch Viscosity 42 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 12.4 cc. Drill Pipe Length 4253 I. D. 3.8 in.
Chlorides 22,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 403 Anchor Length 13 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out Yes 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: Good. Increased to strong in 15 minutes on initial flow period. Strong throughout final flow period.

Recovered 150 ft. of gas in pipe
Recovered 240 ft. of gas cut muddy water - trace of oil
Recovered 2520 ft. of gassy water slight show of oil Chlorides 67,000 PPM
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 2:58 ~~A.M.~~ P.M. Time Started Off Bottom 6:30 ~~A.M.~~ P.M. Maximum Temperature
Initial Hydrostatic Pressure 2259 (A) P.S.I.
Initial Flow Period 30 Minutes (B) 103 P.S.I. to (C) 692 P.S.I.
Initial Closed In Period 60 Minutes (D) 1382 P.S.I.
Final Flow Period 60 Minutes (E) 744 P.S.I. to (F) 1294 P.S.I.
Final Closed In Period 60 Minutes (G) 1384 P.S.I.
Final Hydrostatic Pressure 2216 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/18/81 Recorder No. 3474 Capacity 3000 Test Ticket No. 12149
 Clock No. 0 Elevation 1715 Ground Level Location 4465 Ft. 0
 Well Temperature 0 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2259</u>	P.S.I.	<u>2:58P</u>	M
B First Initial Flow Pressure <u>103</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure <u>692</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
D Initial Closed-in Pressure <u>1382</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure <u>744</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
F Second Final Flow Pressure <u>1294</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
G Final Closed-in Pressure <u>1384</u>	P.S.I.		
H Final Hydrostatic Mud <u>2216</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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>	<u>103</u>	<u>0</u>	<u>692</u>	<u>0</u>	<u>744</u>	<u>0</u>	<u>1294</u>
P 2 <u>5</u>	<u>212</u>	<u>3</u>	<u>1342</u>	<u>5</u>	<u>788</u>	<u>3</u>	<u>1359</u>
P 3 <u>10</u>	<u>326</u>	<u>6</u>	<u>1358</u>	<u>10</u>	<u>862</u>	<u>6</u>	<u>1368</u>
P 4 <u>15</u>	<u>435</u>	<u>9</u>	<u>1365</u>	<u>15</u>	<u>926</u>	<u>9</u>	<u>1371</u>
P 5 <u>20</u>	<u>533</u>	<u>12</u>	<u>1370</u>	<u>20</u>	<u>989</u>	<u>12</u>	<u>1374</u>
P 6 <u>25</u>	<u>626</u>	<u>15</u>	<u>1373</u>	<u>25</u>	<u>1045</u>	<u>15</u>	<u>1377</u>
P 7 <u>30</u>	<u>692</u>	<u>18</u>	<u>1374</u>	<u>30</u>	<u>1094</u>	<u>18</u>	<u>1378</u>
P 8		<u>21</u>	<u>1375</u>	<u>35</u>	<u>1142</u>	<u>21</u>	<u>1379</u>
P 9		<u>24</u>	<u>1376</u>	<u>40</u>	<u>1185</u>	<u>24</u>	<u>1380</u>
P10		<u>27</u>	<u>1377</u>	<u>45</u>	<u>1220</u>	<u>27</u>	<u>1381</u>
P11		<u>30</u>	<u>1378</u>	<u>50</u>	<u>1253</u>	<u>30</u>	<u>1382</u>
P12		<u>33</u>	<u>1379</u>	<u>55</u>	<u>1279</u>	<u>33</u>	<u>1382</u>
P13		<u>36</u>	<u>1380</u>	<u>60</u>	<u>1294</u>	<u>36</u>	<u>1382</u>
P14		<u>39</u>	<u>1380</u>			<u>39</u>	<u>1383</u>
P15		<u>42</u>	<u>1381</u>			<u>42</u>	<u>1383</u>
P16		<u>45</u>	<u>1381</u>			<u>45</u>	<u>1384</u>
P17		<u>48</u>	<u>1382</u>			<u>48</u>	<u>1384</u>
P18		<u>51</u>	<u>1382</u>			<u>51</u>	<u>1384</u>
P19		<u>54</u>	<u>1382</u>			<u>54</u>	<u>1384</u>
P20		<u>57</u>	<u>1382</u>			<u>57</u>	<u>1384</u>
		<u>60</u>	<u>1382</u>			<u>60</u>	<u>1384</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 6-18 Recorder No. 3474 Capacity 3000 Test Ticket No. 12149 Location 4465 Ft
Clock No. Elevation 1715 Well Temperature °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2259</u> P.S.I.	<u>2:58</u> P	<u> </u> M
B First Initial Flow Pressure	<u>103</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>692</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1382</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>744</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>1294</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
G Final Closed-in Pressure	<u>1384</u> P.S.I.		
H Final Hydrostatic Mud	<u>2216</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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>	<u>103</u>	<u>0</u>	<u>692</u>	<u>0</u>	<u>744</u>	<u>0</u>	<u>1294</u>
P 2 <u>5</u>	<u>212</u>	<u>3</u>	<u>1342</u>	<u>5</u>	<u>788</u>	<u>3</u>	<u>1359</u>
P 3 <u>10</u>	<u>326</u>	<u>6</u>	<u>1358</u>	<u>10</u>	<u>862</u>	<u>6</u>	<u>1368</u>
P 4 <u>15</u>	<u>435</u>	<u>9</u>	<u>1365</u>	<u>15</u>	<u>926</u>	<u>9</u>	<u>1371</u>
P 5 <u>20</u>	<u>533</u>	<u>12</u>	<u>1370</u>	<u>20</u>	<u>989</u>	<u>12</u>	<u>1374</u>
P 6 <u>25</u>	<u>626</u>	<u>15</u>	<u>1373</u>	<u>25</u>	<u>1045</u>	<u>15</u>	<u>1377</u>
P 7 <u>30</u>	<u>692</u>	<u>18</u>	<u>1374</u>	<u>30</u>	<u>1094</u>	<u>18</u>	<u>1378</u>
P 8 <u>35</u>		<u>21</u>	<u>1375</u>	<u>35</u>	<u>1142</u>	<u>21</u>	<u>1379</u>
P 9 <u>40</u>		<u>24</u>	<u>1376</u>	<u>40</u>	<u>1185</u>	<u>24</u>	<u>1380</u>
P10 <u>45</u>		<u>27</u>	<u>1377</u>	<u>45</u>	<u>1220</u>	<u>27</u>	<u>1381</u>
P11 <u>50</u>		<u>30</u>	<u>1378</u>	<u>50</u>	<u>1253</u>	<u>30</u>	<u>1382</u>
P12 <u>55</u>		<u>33</u>	<u>1379</u>	<u>55</u>	<u>1279</u>	<u>33</u>	<u>1382</u>
P13 <u>60</u>		<u>36</u>	<u>1380</u>	<u>60</u>	<u>1294</u>	<u>36</u>	<u>1382</u>
P14		<u>39</u>	<u>1380</u>	<u>65</u>		<u>39</u>	<u>1383</u>
P15		<u>42</u>	<u>1381</u>	<u>70</u>		<u>42</u>	<u>1383</u>
P16		<u>45</u>	<u>1381</u>	<u>75</u>		<u>45</u>	<u>1384</u>
P17		<u>48</u>	<u>1382</u>	<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>	<u>1382</u>			<u>60</u>	<u>1384</u>