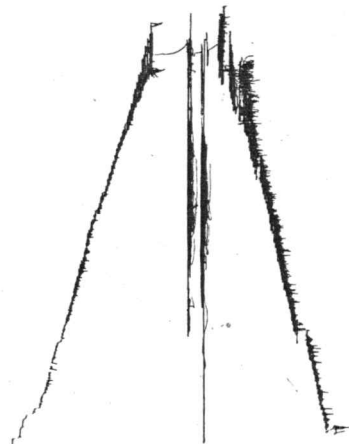
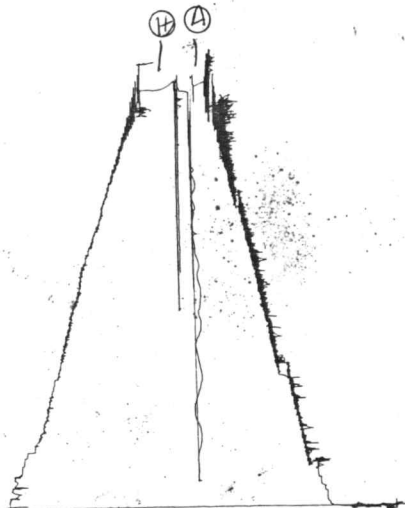


TK#13165
O.



TK# 13165
I.



Company Hawkins Oil & Gas, Inc. Lease & Well No. Pollack #2-36
 Elevation 1371 Ground Level Mississippi Effective Pay -- Ft. Ticket No. 13165
 Date 1/21/82 Sec. 36 Twp. 33S Range 10W County Barber State Kansas
 Test Approved by Butch Smith Western Representative Kenny Kirkendall
 Formation Test No. 1 Interval Tested from 4555 ft. to 4585 ft. Total Depth 4585 ft.
 Packer Depth 4585 ft. Size 37 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) 4574 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 4578 ft. Recorder Number 10979 Cap. 4100
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor DaMac Drlg. Rig #1 Drill Collar Length 437 I. D. - in.
 Mud Type premix-monpac Viscosity 49 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length - I. D. - in.
 Chlorides 25,000 P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 403 Anchor Length 30 ft. Size 5 1/2 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 in.

Blow:

MISRUN

Recovered ft. of
 Recovered ft. of MISRUN
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of PACKER SEAT FAILURE

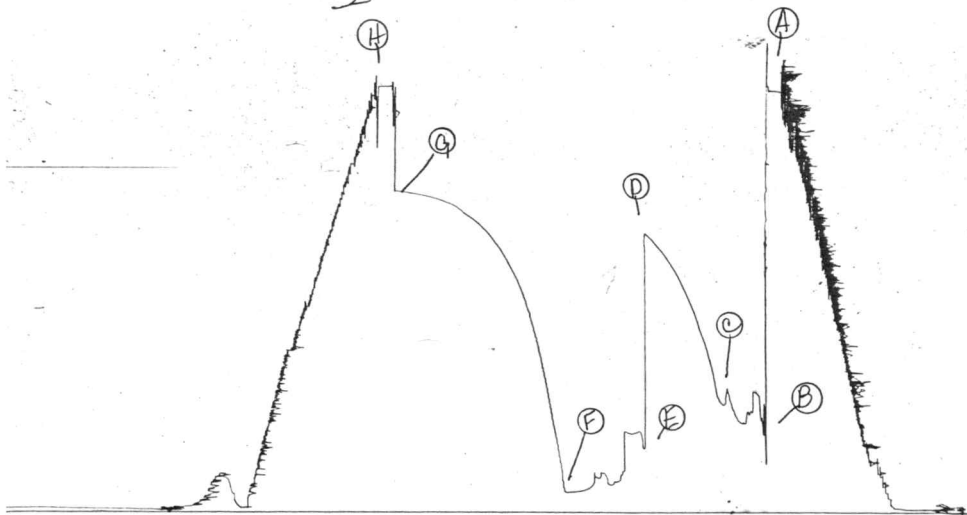
Remarks:

Time Set Packer(s) A.M. Time Started Off Bottom A.M. Maximum Temperature P.M.
 Initial Hydrostatic Pressure 2261 (A) P.S.I.
 Initial Flow Period Minutes (B) P.S.I. to (C) P.S.I.
 Initial Closed In Period Minutes (D) 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 2240 (H) P.S.I.

2605

TR# 1316A

I



Company Hawkins Oil & Gas, Inc. Lease & Well No. Pollack #2-36
 Elevation 1371 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 13164
 Date 1/21/82 Sec. 36 Twp. 33S Range 10W County Barber State Kansas
 Test Approved by Butch Smith Western Representative Kenny Kirkendall
 Formation Test No. 2 Interval Tested from 4568 ft. to 4585 ft. Total Depth 4585 ft.
 Packer Depth 4568 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4563 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4572 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 4576 ft. Recorder Number 10979 Cap. 4100
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor DaMac Drlg. Rig #1 Drill Collar Length 437 I. D. - in.
 Mud Type premix-monpac Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length 4116 I. D. - in.
 Chlorides 25,000 P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 403 Anchor Length 17 ft. Size 5 1/2 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 XH in.

Blow: Good blow first flow period; good blow decreasing to weak on second flow.

Recovered 130 ft. of drilling mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: -

Time Set Packer(s) 10:00 ~~A.M.~~ P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature 122°
 Initial Hydrostatic Pressure 2286 P.S.I.
 Initial Flow Period 30 Minutes (B) 421 * P.S.I. to (C) 584 * P.S.I.
 Initial Closed In Period 60 Minutes (D) 1506 P.S.I.
 Final Flow Period 60 Minutes (E) 351 * P.S.I. to (F) 111 * P.S.I.
 Final Closed In Period 120 Minutes (G) 1732 P.S.I.
 Final Hydrostatic Pressure 2286 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 1/21/82 Test Ticket No. 13164
 Recorder No. 2605 Capacity 4150 Location 4572 Ft.
 Clock No. - Elevation 1371 Ground Level Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2286 P.S.I.	Open Tool	10:00P M	
B First Initial Flow Pressure	421 * P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	584 * P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1506 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	351 * P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F Second Final Flow Pressure	111 * P.S.I.			
G Final Closed-in Pressure	1732 P.S.I.			
H Final Hydrostatic Mud	2286 P.S.I.			

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.

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>40</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>421*</u>	<u>0</u>	<u>584 *</u>	<u>0</u>	<u>351*</u>	<u>0</u>	<u>111 *</u>
P 2 <u>5</u>	<u>612*</u>	<u>3</u>	<u>595</u>	<u>5</u>	<u>441*</u>	<u>3</u>	<u>357</u>
P 3 <u>10</u>	<u>654*</u>	<u>6</u>	<u>639</u>	<u>10</u>	<u>429*</u>	<u>6</u>	<u>455</u>
P 4 <u>15</u>	<u>539*</u>	<u>9</u>	<u>757</u>	<u>15</u>	<u>441*</u>	<u>9</u>	<u>566</u>
P 5 <u>20</u>	<u>498*</u>	<u>12</u>	<u>840</u>	<u>20</u>	<u>169*</u>	<u>12</u>	<u>678</u>
P 6 <u>25</u>	<u>566*</u>	<u>15</u>	<u>917</u>	<u>25</u>	<u>150*</u>	<u>15</u>	<u>788</u>
P 7 <u>30</u>	<u>584*</u>	<u>18</u>	<u>975</u>	<u>30</u>	<u>214*</u>	<u>18</u>	<u>888</u>
P 8		<u>21</u>	<u>1043</u>	<u>35</u>	<u>193*</u>	<u>21</u>	<u>976</u>
P 9		<u>24</u>	<u>1103</u>	<u>40</u>	<u>135*</u>	<u>24</u>	<u>1057</u>
P10		<u>27</u>	<u>1155</u>	<u>45</u>	<u>121*</u>	<u>27</u>	<u>1129</u>
P11		<u>30</u>	<u>1203</u>	<u>50</u>	<u>114*</u>	<u>30</u>	<u>1195</u>
P12		<u>33</u>	<u>1248</u>	<u>55</u>	<u>111*</u>	<u>33</u>	<u>1255</u>
P13		<u>36</u>	<u>1286</u>	<u>60</u>	<u>111*</u>	<u>36</u>	<u>1298</u>
P14		<u>39</u>	<u>1325</u>			<u>39</u>	<u>1340</u>
P15		<u>42</u>	<u>1360</u>			<u>42</u>	<u>1382</u>
P16		<u>45</u>	<u>1394</u>			<u>45</u>	<u>1422</u>
P17		<u>48</u>	<u>1419</u>			<u>48</u>	<u>1448</u>
P18		<u>51</u>	<u>1444</u>			<u>51</u>	<u>1479</u>
P19		<u>54</u>	<u>1471</u>			<u>54</u>	<u>1506</u>
P20		<u>57</u>	<u>1494</u>			<u>57</u>	<u>1529</u>
		<u>60</u>	<u>1506</u>			<u>60</u>	<u>1551</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1/21/82 Test Ticket No. 13164
 Recorder No. 2605 Capacity 4150 Location 4572 Ft.
 Clock No. - Elevation 1371 Ground Level Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2286	P.S.I.	10:00P	M
B First Initial Flow Pressure	421 *	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	584 *	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1506	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	351 *	P.S.I.	120	Mins. 120 Mins.
F Second Final Flow Pressure	111 *	P.S.I.		
G Final Closed-in Pressure	1732	P.S.I.		
H Final Hydrostatic Mud	2286	P.S.I.		

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.

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>40</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						63	1570
P 2						66	1591
P 3						69	1603
P 4						72	1617
P 5						75	1638
P 6						78	1652
P 7						81	1665
P 8						84	1672
P 9						87	1680
P10						90	1688
P11						93	1694
P12						96	1701
P13						99	1705
P14						102	1711
P15						105	1715
P16						108	1719
P17						111	1724
P18						114	1726
P19						117	1730
P20						120	1732