



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 14203

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation _____ Formation FRANCE Eff. Pay _____ Ft.District FRATT Date 10/28/81 Customer Order No. _____COMPANY NAME ROCKWOOD PETROLEUM CO. INC.ADDRESS 815 DOUGLAS BUILDING WICHITA, KANSAS 67202LEASE AND WELL NO. 2-24 Pyle 'Twin' COUNTY CLARK STATE KS Sec. 24 Twp. 30 Rge. 23Mail Invoice To SAME #2-24 Pyle 'Twin' No. Copies Requested Req.Co. Name _____ Address _____ No. Copies Requested Req.Mail Charts To SAME Address _____ No. Copies Requested Req.Formation Test No. 1 Interval Tested from 5105 ft. to 5125 ft. Total Depth 5125 ft.Packer Depth 5100 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.Packer Depth 5105 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5112 ft. Recorder Number 1051 Cap. 4100Bottom Recorder Depth (Outside) 5115 ft. Recorder Number 1054/1564 Cap. 6600

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

Drilling Contractor GABBERT & TONES #9 Drill Collar Length 416 I. D. 2.12 in.Mud Type POLY PAC Viscosity 46 Weight Pipe Length _____ I. D. _____ in.Weight 9.3 Water Loss 14.6 cc. Drill Pipe Length 4660 I. D. 3.8 in.Chlorides 20,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 in.Jars: Make W.T.C. Serial Number _____ Anchor Length 20 ft. Size 5 1/2 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 in.Blow: INITIAL FLOW - STRONG - OFF BOTTOM OF BUCKET IN 4 MIN.FINAL FLOW - STRONG - G.T.S. IN 1 MIN, TOO WEAK TO MEASURERecovered 62 ft. of MUDRecovered 248 ft. of HEAVY OIL & GAS CUT MUDRecovered 186 ft. of SLIGHTLY MUD CUT OIL & GASRecovered 410 ft. of FREE OIL & GAS - 55% GAS 45% OILRecovered 60 ft. of WATER

Remarks: _____

Time On Location 12:30 A.M. Time Pick Up Tool 3:30 A.M.Time Set Packer(s) 5:15 P.M. Time Started Off Bottom 8:15 P.M.Initial Hydrostatic Pressure _____ (A) 2594 P.S.I.Initial Flow Period _____ Minutes 30 (B) 172 P.S.I. to (C) 172 P.S.I.Initial Closed In Period _____ Minutes 45 (D) 1440 P.S.I.Final Flow Period _____ Minutes 60 (E) 247 P.S.I. to (F) 290 P.S.I.Final Closed In Period _____ Minutes 45 (G) 1419 P.S.I.Final Hydrostatic Pressure _____ (H) 2455 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By E. McNeil
Signature of Customer or his authorized representativeWestern Representative Rich Howard - Thank you!

FIELD INVOICE

Open Hole Test	\$ <u>775.00</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ <u>300.00</u>
Selective Zone	\$ _____
Safety Joint	\$ <u>65.00</u>
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage <u>43</u>	\$ <u>32.25</u>
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
TOTAL	\$ <u>1172.25</u>

WESTERN TESTING CO., INC.

Pressure Data

Date: 10-28 Test Ticket No. 14203
 Recorder No. 1051 Capacity 4100 Location 5112 Ft.
 Clock No. --- Elevation --- Well Temperature 131 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2594</u> P.S.I.	<u>5:15</u> P.M.	
B First Initial Flow Pressure	<u>155</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>168</u> P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1451</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>239</u> P.S.I.	<u>45</u> Mins.	<u>51</u> Mins.
F Second Final Flow Pressure	<u>293</u> P.S.I.		
G Final Closed-in Pressure	<u>1415</u> P.S.I.		
H Final Hydrostatic Mud	<u>2455</u> P.S.I.		

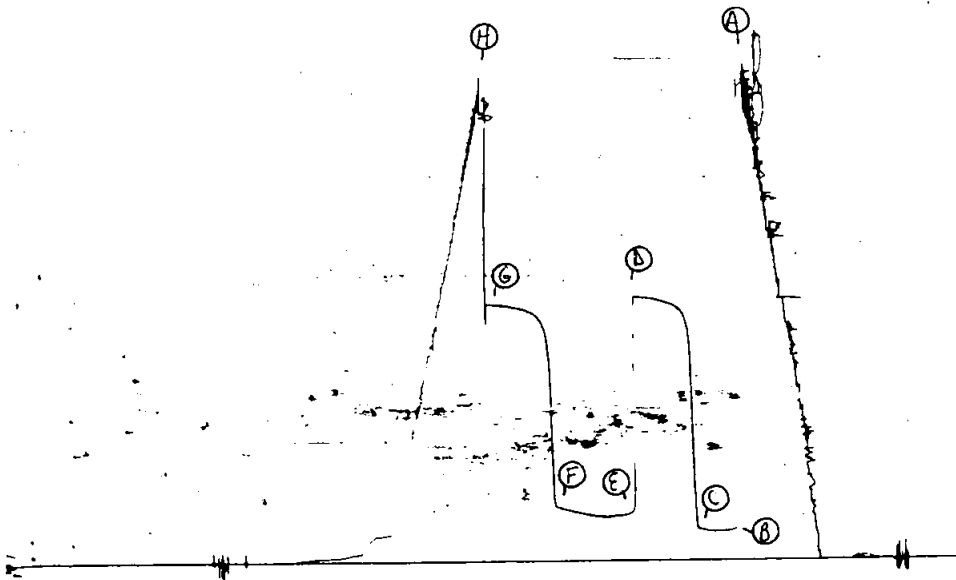
PRESSURE BREAKDOWN

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>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>17</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 <u>0</u>	<u>155</u>	<u>0</u>	<u>168</u>	<u>0</u>	<u>239</u>	<u>0</u>	<u>293</u>
P 2 <u>5</u>	<u>/</u>	<u>3</u>	<u>572</u>	<u>5</u>	<u>/</u>	<u>3</u>	<u>904</u>
P 3 <u>10</u>	<u>/</u>	<u>6</u>	<u>1150</u>	<u>10</u>	<u>/</u>	<u>6</u>	<u>1188</u>
P 4 <u>15</u>	<u>/</u>	<u>9</u>	<u>1303</u>	<u>15</u>	<u>/</u>	<u>9</u>	<u>1284</u>
P 5 <u>20</u>	<u>155</u>	<u>12</u>	<u>1362</u>	<u>20</u>	<u>239</u>	<u>12</u>	<u>1326</u>
P 6 <u>25</u>	<u>162</u>	<u>15</u>	<u>1388</u>	<u>25</u>	<u>242</u>	<u>15</u>	<u>1352</u>
P 7 <u>30</u>	<u>168</u>	<u>18</u>	<u>1402</u>	<u>30</u>	<u>244</u>	<u>18</u>	<u>1366</u>
P 8 <u>35</u>		<u>21</u>	<u>1413</u>	<u>35</u>	<u>251</u>	<u>21</u>	<u>1377</u>
P 9 <u>40</u>		<u>24</u>	<u>1422</u>	<u>40</u>	<u>258</u>	<u>24</u>	<u>1386</u>
P10 <u>45</u>		<u>27</u>	<u>1428</u>	<u>45</u>	<u>267</u>	<u>27</u>	<u>1391</u>
P11 <u>50</u>		<u>30</u>	<u>1434</u>	<u>50</u>	<u>275</u>	<u>30</u>	<u>1396</u>
P12 <u>55</u>		<u>33</u>	<u>1441</u>	<u>55</u>	<u>287</u>	<u>33</u>	<u>1401</u>
P13 <u>60</u>		<u>36</u>	<u>1444</u>	<u>60</u>	<u>293</u>	<u>36</u>	<u>1407</u>
P14		<u>39</u>	<u>1447</u>	<u>65</u>		<u>39</u>	<u>1411</u>
P15		<u>42</u>	<u>1449</u>	<u>70</u>		<u>42</u>	<u>1412</u>
P16		<u>45</u>	<u>1451</u>	<u>75</u>		<u>45</u>	<u>1413</u>
P17		<u>48</u>	<u>1451</u>	<u>80</u>		<u>48</u>	<u>1414</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1415</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TKT # 14203

B1051 DST 1

I



Company Rockwood Petroleum Company Lease & Well No. Pyle "Twin" #2-24
 Elevation 2424 Derrick Floor Formation Pawnee Effective Pay - Ft. Ticket No. 14203
 Date 10/ 28/81 Sec. 24 Twp. 30S Range 23W County Clark State Kansas
 Test Approved by E. McNeil Western Representative Richard Howell
 Formation Test No. 1 Interval Tested from 1505 ft. to 5125 ft. Total Depth 5125 ft.
 Packer Depth 5100 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5105 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5112 ft. Recorder Number 1501 Cap. 4100
 Bottom Recorder Depth (Outside) 5115 ft. Recorder Number 1564 Cap. 6600
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 416 I. D. 2.2 in.
 Mud Type poly pac Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 14.6 cc. Drill Pipe Length 4660 I. D. 3.8 in.
 Chlorides 20,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 406 Anchor Length 20 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 in.

Blow: Initial flow strong; off bottom of bucket in four minutes. Final flow period strong.
Gas to surface in one minute too weak to measure.

Recovered 62 ft. of mud
 Recovered 248 ft. of heavy oil and gas cut mud
 Recovered 186 ft. of slightly mud cut oil and gas
 Recovered 410 ft. of free oil and gas 55% gas; 45% oil
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:15 A.M. P.M. Time Started Off Bottom 8:15 A.M. P.M. Maximum Temperature 131°
 Initial Hydrostatic Pressure 2594 P.S.I.
 Initial Flow Period 30 Minutes (A) 155 P.S.I. to (C) 168 P.S.I.
 Initial Closed In Period 48 Minutes (D) 1451 P.S.I.
 Final Flow Period 60 Minutes (E) 239 P.S.I. to (F) 293 P.S.I.
 Final Closed In Period 51 Minutes (G) 1415 P.S.I.
 Final Hydrostatic Pressure 2455 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 10/28/81 Test Ticket No. 14203

Recorder No. 1051 Capacity 4100 Location 5112 Ft.

Clock No. - Elevation -- Well Temperature 131 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2594 P.S.I.	5:15P	M
B First Initial Flow Pressure	155 P.S.I.	30	30
C First Final Flow Pressure	168 P.S.I.	45	48
D Initial Closed-in Pressure	1451 P.S.I.	60	60
E Second Initial Flow Pressure	239 P.S.I.	45	51
F Second Final Flow Pressure	293 P.S.I.		
G Final Closed-in Pressure	1415 P.S.I.		
H Final Hydrostatic Mud	2455 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>12</u> Inc.		Breakdown: <u>17</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>155</u>	<u>0</u>	<u>168</u>	<u>0</u>	<u>239</u>	<u>0</u>	<u>293</u>
P 2 <u>5</u>	<u>155</u>	<u>3</u>	<u>572</u>	<u>5</u>	<u>239</u>	<u>3</u>	<u>904</u>
P 3 <u>10</u>	<u>155</u>	<u>6</u>	<u>1150</u>	<u>10</u>	<u>239</u>	<u>6</u>	<u>1188</u>
P 4 <u>15</u>	<u>155</u>	<u>9</u>	<u>1303</u>	<u>15</u>	<u>239</u>	<u>9</u>	<u>1284</u>
P 5 <u>20</u>	<u>155</u>	<u>12</u>	<u>1362</u>	<u>20</u>	<u>239</u>	<u>12</u>	<u>1326</u>
P 6 <u>25</u>	<u>162</u>	<u>15</u>	<u>1388</u>	<u>25</u>	<u>242</u>	<u>15</u>	<u>1352</u>
P 7 <u>30</u>	<u>168</u>	<u>18</u>	<u>1402</u>	<u>30</u>	<u>244</u>	<u>18</u>	<u>1366</u>
P 8		<u>21</u>	<u>1413</u>	<u>35</u>	<u>251</u>	<u>21</u>	<u>1377</u>
P 9		<u>24</u>	<u>1422</u>	<u>40</u>	<u>258</u>	<u>24</u>	<u>1386</u>
P10		<u>27</u>	<u>1428</u>	<u>45</u>	<u>267</u>	<u>27</u>	<u>1391</u>
P11		<u>30</u>	<u>1434</u>	<u>50</u>	<u>275</u>	<u>30</u>	<u>1396</u>
P12		<u>33</u>	<u>1441</u>	<u>55</u>	<u>287</u>	<u>33</u>	<u>1401</u>
P13		<u>36</u>	<u>1444</u>	<u>60</u>	<u>293</u>	<u>36</u>	<u>1407</u>
P14		<u>39</u>	<u>1447</u>			<u>39</u>	<u>1411</u>
P15		<u>42</u>	<u>1449</u>			<u>42</u>	<u>1412</u>
P16		<u>45</u>	<u>1451</u>			<u>45</u>	<u>1413</u>
P17		<u>48</u>	<u>1451</u>			<u>48</u>	<u>1414</u>
P18						<u>51</u>	<u>1415</u>
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 13717 ^{OK}

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2424 D.F. Formation MISS. Eff. Pay Ft.

District PRATT Date 10-29-81 Customer Order No.

COMPANY NAME Rockwood Petroleum company
ADDRESS 815 Douglas Building Wichita, KS.

LEASE AND WELL NO. PYLE #2-24 COUNTY CLARK STATE KS Sec. 24 Twp 30 S Rge 23 W

Mail Invoice To Sama #2-24 Pyle 'Twin' No. Copies Requested Rag

Mail Charts To Sama Address No. Copies Requested Rag

Formation Test No. 2 Interval Tested from 5300 ft. to 5330 ft. Total Depth 5330 ft.

Packer Depth 5295 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5300 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5306 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 5309 ft. Recorder Number 1054/564 Cap. 6600

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor GABBERT & JONES #9 Drill Collar Length 416 I. D. 2-26 in.

Mud Type CHEM-Poly Pac Viscosity 57 Weight Pipe Length I. D. in.

Weight 9.0 Water Loss 17.2 cc. Drill Pipe Length 4885 I. D. 3-8 in.

Chlorides 30,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 O.D. in.

Jars: Make WTC Serial Number 406 Anchor Length 30 ft. Size 5 1/2 O.D. 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 F-Hole in.

Blow: IFP - V.WEAK (Surface of water) Dead in 11 min.

FFP - NO BLOW - Flushed Tool - V.WEAK (Surface of water) DEAD IN 4 min.

Recovered 270 ft. of Drilling Mud

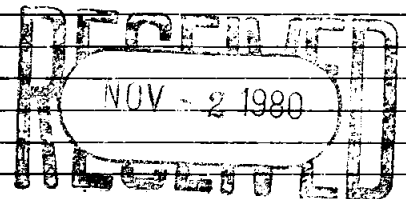
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time On Location 11:30 ^{A.M.}/_{P.M.} Time Pick Up Tool 3:40 ^{A.M.}/_{P.M.} Time Off Location 11:30 ^{A.M.}/_{P.M.}

Time Set Packer(s) 5:55 ^{A.M.}/_{P.M.} Time Started Off Bottom 7:55 ^{A.M.}/_{P.M.} Maximum Temperature 137°F

Initial Hydrostatic Pressure (A) 2711 P.S.I.

Initial Flow Period Minutes 30 (B) 193 P.S.I. to (C) 150 P.S.I.

Initial Closed In Period Minutes 30 (D) 193 P.S.I.

Final Flow Period Minutes 30 (E) 182 P.S.I. to (F) 182 P.S.I.

Final Closed In Period Minutes 30 (G) 193 P.S.I.

Final Hydrostatic Pressure (H) 2658 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By E. M. Neil
Signature of Customer or his authorized representative

Western Representative Karl Deo West Jr. Thank you

FIELD INVOICE

Open Hole Test \$ 775.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$ 65.00
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 20 1/2 \$ 32.25
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 1172.25

WESTERN TESTING CO., INC.

Pressure Data

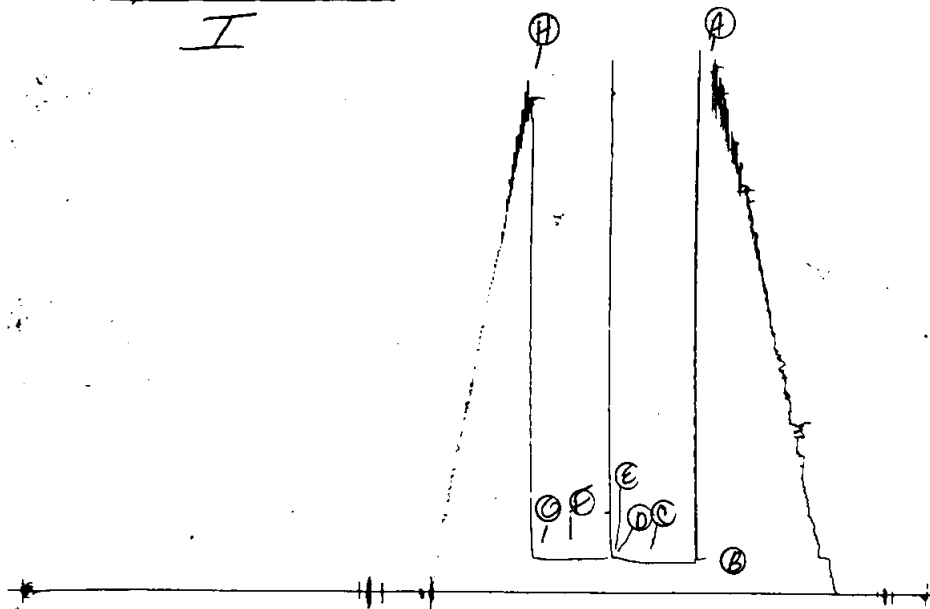
Date: 10-29 Test Ticket No. 13717
 Recorder No. 1051 Capacity 4250 Location 5306 Ft.
 Clock No. --- Elevation 2424 Δ 7 Well Temperature 137 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2711</u> P.S.I.	<u>5:55</u> A	
B First Initial Flow Pressure	<u>166</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>166</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>195</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>193</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>184</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>190</u> P.S.I.		
H Final Hydrostatic Mud	<u>2711</u> 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>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</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 <u>0</u>	<u>166</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>193</u>	<u>0</u>	<u>184</u>
P 2 <u>5</u>	<u>/</u>	<u>3</u>	<u>163</u>	<u>5</u>	<u>Flushed 189</u>	<u>Tool 3</u>	<u>183</u>
P 3 <u>10</u>	<u>/</u>	<u>6</u>	<u>163</u>	<u>10</u>	<u>187</u>	<u>6</u>	<u>182</u>
P 4 <u>15</u>	<u>/</u>	<u>9</u>	<u>165</u>	<u>15</u>	<u>186</u>	<u>9</u>	<u>/</u>
P 5 <u>20</u>	<u>/</u>	<u>12</u>	<u>170</u>	<u>20</u>	<u>185</u>	<u>12</u>	<u>/</u>
P 6 <u>25</u>	<u>/</u>	<u>15</u>	<u>172</u>	<u>25</u>	<u>184</u>	<u>15</u>	<u>/</u>
P 7 <u>30</u>	<u>166</u>	<u>18</u>	<u>175</u>	<u>30</u>	<u>184</u>	<u>18</u>	<u>182</u>
P 8 <u>35</u>		<u>21</u>	<u>182</u>	<u>35</u>		<u>21</u>	<u>183</u>
P 9 <u>40</u>		<u>24</u>	<u>187</u>	<u>40</u>		<u>24</u>	<u>185</u>
P10 <u>45</u>		<u>27</u>	<u>191</u>	<u>45</u>		<u>27</u>	<u>188</u>
P11 <u>50</u>		<u>30</u>	<u>195</u>	<u>50</u>		<u>30</u>	<u>190</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</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>60</u>	

TKt # 13717
I



Company Rockwood Petroleum Company Lease & Well No. Pyle "Twin" #2-24
 Elevation 2424 Derrick Floor Formation Mississippi Effective Pay - Ft. Ticket No. 13717
 Date 10/ 29/81 Sec. 24 Twp. 30S Range 23W County Clark State Kansas
 Test Approved by E. McNeil Western Representative Karl L. West, Jr.
 Formation Test No. 2 Interval Tested from 5300 ft. to 5330 ft. Total Depth 5330 ft.
 Packer Depth 5295 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5300 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5306 ft. Recorder Number 1501 Cap. 4100
 Bottom Recorder Depth (Outside) 5309 ft. Recorder Number 1564 Cap. 6600
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 416 I. D. 2.2 in.
 Mud Type chemical-polypac Viscosity 57 Weight Pipe Length - I. D. - in.
 Weight 9.0 Water Loss 17.2 cc. Drill Pipe Length 4885 I. D. 3.8 in.
 Chlorides 30,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 406 Anchor Length 30 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 in.

Blow: Initial flow period very weak (surface of water) dead in eleven minutes. Final flow
period no blow; flushed tool - very weak (surface of water) dead in four minutes.

Recovered 270 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set	<u>5:55</u>	<u>A.M.</u>	Time Started Off Bottom	<u>7:55</u>	<u>A.M.</u>	Maximum Temperature	<u>137°</u>
		<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>2711</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>166</u>	P.S.I. to (C) <u>166</u> P.S.I.
Initial Closed In Period			Minutes	<u>30</u>	(D)	<u>195</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>193</u>	P.S.I. to (F) <u>184</u> P.S.I.
Final Closed In Period			Minutes	<u>30</u>	(G)	<u>190</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>2711</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 10/29/81

Test Ticket No. 13717

Recorder No. 1051 Capacity 4250 Location 5306 Ft.

Clock No. - Elevation 2424 Derrick Floor Well Temperature 137 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2711	P.S.I.	5:55A	M
B First Initial Flow Pressure	166	P.S.I.	30	30
C First Final Flow Pressure	166	P.S.I.	30	30
D Initial Closed-in Pressure	195	P.S.I.	30	30
E Second Initial Flow Pressure	193	P.S.I.	30	30
F Second Final Flow Pressure	184	P.S.I.	30	30
G Final Closed-in Pressure	190	P.S.I.		
H Final Hydrostatic Mud	2711	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: 10 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: 10 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	166	0	166	0	193	0	184
P 2 5	166	3	163	5	189	3	183
P 3 10	166	6	163	10	187	6	182
P 4 15	166	9	165	15	186	9	182
P 5 20	166	12	170	20	185	12	182
P 6 25	166	15	172	25	184	15	182
P 7 30	166	18	175	30	184	18	182
P 8		21	182			21	183
P 9		24	187			24	185
P 10		27	191			27	188
P 11		30	195			30	190
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Flushed tool