



P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

25707

Formation SAND Elevation _____ Eff. Pay _____

District PRAT Date 6-2-77 Customer Order No. _____

COMPANY NAME PICKRELL DRILL COMPANY

ADDRESS Litwin Bldg. Suite 205 110 N. Market Wichita, KS 67206

LEASE AND WELL NO. PRATHER A-1 COUNTY CLARK STATE KANSAS Sec. 3 Twp. 31 Rge. 24

Mail Inv. To _____ Co. Name SAME Address _____ No. Copies Requested _____

Mail Charts To _____ Co. Name SAME Address _____ No. Copies Requested _____

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 5448 to 5467 Total Depth 5467

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 5443 Ft. Size 6 3/4 Bottom Packer Depth 5448 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5/8 OD Tool Joint Size 4 1/2 F.H. Anchor Length 19 Ft. Size 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5456 Ft. Clock No. 6894 Depth 5459 Ft. Clock No. 6799

Top Make KOSTER Cap. 4150 No. 969 Inside _____ Outside _____ Bottom Make KOSTER Cap. 4000 No. 3351 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 10:58 P.M.

Tool Open I.F.P. From 11:00 M. to 11:30 M. _____ Hr. 30 Min. From (B) 81 96 P.S.I. To (C) 163 178 P.S.I.

Tool Closed I.C.I.P. From 11:30 M. to 12:30 A.M. _____ Hr. _____ Min. (D) 1717 1731 P.S.I.

Tool Open F.F.P. From 12:30 M. to 2:00 M. _____ Hr. 30 Min. From (E) 215 227 P.S.I. To (F) 471 484 P.S.I.

Tool Closed F.C.I.P. From 2:00 M. to 3:00 M. _____ Hr. _____ Min. (G) 1696 1699 P.S.I.

Initial Hydrostatic Pressure (A) 2931 P.S.I. Final Hydrostatic Pressure (H) 2931 P.S.I. Maximum Temp. 124

INFORMATION

BLOW STRONG BLOW THRU-OUT TEST - GAS TO SURFACE IN 10 MINUTES
SEE ATTACH SHEET

Did Well Flow Yes No _____ Recovery Total Ft. 2000 ft. - 1760' clean gang oil
240' muddy oil

Reversed Out Yes No _____ Mud Type STARCH Viscosity 48 Weight 9.8 Water Loss 9.6 cc. Chlorides 64,000

EXTRA EQUIPMENT: Type Circ. Sub. P.W. Safety Joint _____ Jars: Size 4 1/2 OD In. Make W.T.C. Ser. No. 408

Dual Packers YES Did Packers Hold? YES Did Tool Plug? NO Where? _____

DRILLING CONTRACTOR Co. Tools Length Drill Pipe 517 1/4 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 246 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H 90 In. Length D.S.T. Tool 47 ft.

Remarks _____

1362
155
1410

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

Open Hole Test	\$ <u>415.00</u>
Straddle Test	\$ _____
Jars	\$ <u>175.00</u>
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>590.00</u>

Test Approved By Brad Pine Western Representative Bill Dager

Signature of Customer or his Authorized Representative

Operator's Time Frank Jovan Hrs. _____

WESTERN TESTING CO., INC.

Pressure Data

Date 6-2 Test Ticket No. 25707
 Recorder No. 969 Capacity 4150 Location 5456 Ft.
 Clock No. 6894 Elevation _____ Well Temperature 124 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2970</u> P.S.I.		<u>10:58 P</u> M	
B First Initial Flow Pressure	<u>96</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>178</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>37</u> Mins.
D Initial Closed-in Pressure	<u>1731</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>227</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>484</u> P.S.I.			
G Final Closed-in Pressure	<u>1699</u> P.S.I.			
H Final Hydrostatic Mud	<u>2945</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>19</u> Inc.		Breakdown: <u>17</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>0</u>	<u>178</u>	<u>0</u>	<u>227</u>	<u>0</u>	<u>484</u>
P 2	<u>5</u>	<u>3</u>	<u>1397</u>	<u>5</u>	<u>231</u>	<u>3</u>	<u>1255</u>
P 3	<u>10</u>	<u>6</u>	<u>1600</u>	<u>10</u>	<u>240</u>	<u>6</u>	<u>1481</u>
P 4	<u>15</u>	<u>9</u>	<u>1655</u>	<u>15</u>	<u>252</u>	<u>9</u>	<u>1582</u>
P 5	<u>20</u>	<u>12</u>	<u>1678</u>	<u>20</u>	<u>275</u>	<u>12</u>	<u>1623</u>
P 6	<u>25</u>	<u>15</u>	<u>1692</u>	<u>25</u>	<u>289</u>	<u>15</u>	<u>1648</u>
P 7	<u>30</u>	<u>18</u>	<u>1703</u>	<u>30</u>	<u>303</u>	<u>18</u>	<u>1661</u>
P 8	<u>35</u>	<u>21</u>	<u>1709</u>	<u>35</u>	<u>320</u>	<u>21</u>	<u>1669</u>
P 9	<u>40</u>	<u>24</u>	<u>1713</u>	<u>40</u>	<u>338</u>	<u>24</u>	<u>1676</u>
P10	<u>45</u>	<u>27</u>	<u>1717</u>	<u>45</u>	<u>361</u>	<u>27</u>	<u>1680</u>
P11	<u>50</u>	<u>30</u>	<u>1719</u>	<u>50</u>	<u>375</u>	<u>30</u>	<u>1684</u>
P12	<u>55</u>	<u>33</u>	<u>1723</u>	<u>55</u>	<u>389</u>	<u>33</u>	<u>1686</u>
P13	<u>60</u>	<u>36</u>	<u>1724</u>	<u>60</u>	<u>404</u>	<u>36</u>	<u>1689</u>
P14		<u>39</u>	<u>17205</u>	<u>65</u>	<u>422</u>	<u>39</u>	<u>1690</u>
P15		<u>42</u>	<u>17206</u>	<u>70</u>	<u>439</u>	<u>42</u>	<u>1691</u>
P16		<u>45</u>	<u>1727</u>	<u>75</u>	<u>457</u>	<u>45</u>	<u>1693</u>
P17		<u>48</u>	<u>1728</u>	<u>80</u>	<u>469</u>	<u>48</u>	<u>1695</u>
P18		<u>51</u>	<u>1729</u>	<u>85</u>	<u>484</u>	<u>51</u>	<u>1696</u>
P19		<u>54</u>	<u>1730</u>	<u>90</u>		<u>54</u>	<u>1697</u>
P20		<u>57</u>	<u>1731</u>			<u>57</u>	<u>1698</u>
		<u>60</u>				<u>60</u>	<u>1699</u>



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Pickrell Drilling Company Lease & Well No. Prather A-#1

Elevation - Formation Sand Effective Pay - Ft. Ticker No. 25707

Date 6-2-77 Sec. 3 Twp. 31S Range 24W County Clark State Kansas

Test Approved by Brad Rine Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun Interval Tested From 5448' to 5467' Total Depth 5467'

Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 5443 Ft. Size 6 3/4 Bottom Packer Depth 5448 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 19 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5456 Ft. Clock No. 6894 Depth 5459 Ft. Clock No. 6799

Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer 10:58 P.M.

Tool Open I.F.P. From 11:00P M. to 11:30P M. - Hr. 30 Min. From (B) 96 P.S.I. To (C) 178 P.S.I.

Tool Closed I.C.I.P. From 11:30 M. to 12:30A M. 1 Hr. - Min (D) 1731 P.S.I.

Tool Open F.F.P. From 12:30A M. to 2:00 A.M. 1 Hr. 30 Min. From (E) 227 P.S.I. To (F) 484 P.S.I.

Tool Closed F.C.I.P. From 2:00 M. to 3:00 A.M. 1 Hr. - Min. (G) 1699 P.S.I.

Initial Hydrostatic Pressure (A) 2970 P.S.I. Final Hydrostatic Pressure (H) 2945 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 10 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes No Recovery Total Ft. 2000' total recovery. 1760' clean gassy oil, 240' muddy oil

Reversed Out - Yes No Mud Type starch Viscosity 48 Weight 9.8 Water Loss 9.6 cc. Chlorides 64,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Company tools Length Drill Pipe? 5174 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 246 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 47 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 6-2-77 Test Ticket No. 25707
 Recorder No. 969 Capacity 4150 Location 5456 Ft.
 Clock No. 6894 Elevation - Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>2970</u> P.S.I.	Open Tool	<u>10:58</u> P.M.	
First Initial Flow Pressure	<u>96</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>178</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
Initial Closed-in Pressure	<u>1731</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
Second Initial Flow Pressure	<u>227</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
Second Final Flow Pressure	<u>484</u> P.S.I.			
Final Closed-in Pressure	<u>1699</u> P.S.I.			
Final Hydrostatic Mud	<u>2945</u> P.S.I.			

PRESSURE BREAKDOWN

Point Inch.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In		
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>17</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1	<u>0</u>	<u>96</u>	<u>0</u>	<u>178</u>	<u>0</u>	<u>484</u>
2	<u>5</u>	<u>96</u>	<u>3</u>	<u>1397</u>	<u>3</u>	<u>1255</u>
3	<u>10</u>	<u>111</u>	<u>6</u>	<u>1600</u>	<u>6</u>	<u>1481</u>
4	<u>15</u>	<u>129</u>	<u>9</u>	<u>1655</u>	<u>9</u>	<u>1582</u>
5	<u>20</u>	<u>147</u>	<u>12</u>	<u>1678</u>	<u>12</u>	<u>1623</u>
6	<u>25</u>	<u>168</u>	<u>15</u>	<u>1692</u>	<u>15</u>	<u>1648</u>
7	<u>30</u>	<u>178</u>	<u>18</u>	<u>1703</u>	<u>18</u>	<u>1661</u>
8			<u>21</u>	<u>1709</u>	<u>21</u>	<u>1669</u>
9			<u>24</u>	<u>1713</u>	<u>24</u>	<u>1676</u>
10			<u>27</u>	<u>1717</u>	<u>27</u>	<u>1680</u>
11			<u>30</u>	<u>1719</u>	<u>30</u>	<u>1684</u>
12			<u>33</u>	<u>1723</u>	<u>33</u>	<u>1686</u>
13			<u>36</u>	<u>1724</u>	<u>36</u>	<u>1689</u>
14			<u>39</u>	<u>1725</u>	<u>39</u>	<u>1690</u>
15			<u>42</u>	<u>1726</u>	<u>42</u>	<u>1691</u>
16			<u>45</u>	<u>1727</u>	<u>45</u>	<u>1693</u>
17			<u>48</u>	<u>1728</u>	<u>48</u>	<u>1695</u>
18			<u>51</u>	<u>1729</u>	<u>51</u>	<u>1696</u>
19			<u>54</u>	<u>1730</u>	<u>54</u>	<u>1697</u>
20			<u>57</u>	<u>1731</u>	<u>57</u>	<u>1698</u>
					<u>60</u>	<u>1699</u>



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 6-2-77 Ticket 25707 Company Pickrell Drilling Company
Well Name and No. Prather A-#1 Dst No. 1 Interval Tested 5448' - 5467'
County Clark State Kansas Sec. 3 Twp. 31S Rg. 24W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
Gas to surface in 10 minutes.						
11:20PM	20 min.	22 inches	of water		3/4"choke	66,600 C.F.P.D.
11:30PM	30 min.	18 inches	of water		3/4"choke	61,900 C.F.P.D.

SECOND FLOW						
Tool open 12:30AM						
12:40AM	10 min.	36 inches	of water		1/2"choke	37,600 C.F.P.D.
12:50AM	20 min.	22 inches	of water		3/4"choke	66,600 C.F.P.D.
1:00AM	30 min.	8 inches	of water		3/4"choke	40,000 C.F.P.D.
1:10AM	40 min.	14 inches	of water		3/4"choke	53,300 C.F.P.D.
1:20AM	50 min.	60 inches	of water		1/4"choke	13,000 C.F.P.D.
1:30AM	60 min.	40 inches	of water		1.4"choke	10,600 C.F.P.D.
1:40AM	70 min.	20 inches	of water		1/4"choke	7,510 C.F.P.D.
1:50AM	80 min.	10 inches	of water		1/4"choke	5,320 C.F.P.D.
2:00AM	90 min.	6 inches	of water		1/4"choke	4,120 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled 6-2-77 Date to be Invoiced 6-2-77

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 Pickrell Drilling Company

Authorized by Brad Rine

