



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Pickrell Drlg. Co.** Lease & Well No. **Schadel B#4**
Elevation **2230 Kelly Bushings** Formation **sand** Effective Pay _____ Ft. Ticket No. **10391**
Date **11-26-67** Sec. **6** Twp. **20s** Range **20w** County **Pawnee** State **Kansas**
Test Approved by **Charles Slagle** Western Representative **Dean Blagrave**

Formation Test No. **1** O.K. Misrun _____ Interval Tested From **4280'** to **4295'** Total Depth **4295'**
Size Main Hole **7 7/8** Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. Damaged _____ Yes No
Packer Depth **4275** Ft. Size **6 3/4** Packer Depth **4280** Ft. Size **6 3/4**
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size **5 1/2" OD** Tool Jt. Size **4 1/2" FH** Anchor Length **15** Ft. Size **5 1/2" OD**

RECORDERS Depth **4286** Ft. Clock No. **8475** Depth **4289** Ft. Clock No. **6774**
Top Make **Amerada** Cap. **4150** No. **2606** Inside ~~Outside~~ Bottom Make **Amerada** Cap. **4300** No. **1567** ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **1:07** **A.** **M**
Tool Open I.F.P. From **1:10** M. to **1:20** A M. Hr. **10** Min. From (B) **24** P.S.I. To (C) **24** P.S.I.
Tool Closed I.C.I.P. From **1:20** M. to **1:50** A M. Hr. **30** Min. (D) **32** P.S.I.
Tool Open F.F.P. From **1:50** M. to **2:20** A M. Hr. **30** Min. From (E) **24** P.S.I. To (F) **27** P.S.I.
Tool Closed F.C.I.P. From **2:20** M. to **3:20** A M. **1** Hr. **--** Min. (G) **35** P.S.I.
Initial Hydrostatic Pressure (A) **2351** P.S.I. Final Hydrostatic Pressure (H) **2332** P.S.I.

SURFACE Size Choke **1/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW **Weak for ten minutes.** Bottom Choke Size **3/4** In.
Did Well Flow Yes No _____ Recovery Total Ft. **Five feet mud.**

Reversed Out Yes No _____ Mud Type **starch** Viscosity **45** Weight **10.1** Water Loss **9.6** cc. Maximum Temp. **114** °F
EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **no** Jars: Size **no** Make _____ Ser. No. _____
Type Circ. Sub. **plug** Did Tool Plug? **no** Where? _____ Did Packer Hold? **yes**
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe **1055** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **none** ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool **33** ft.

Remarks **Flushed at 15 minutes.**

WESTERN TESTING CO., INC.
Pressure Data

Date 11-26-67 Test Ticket No. 10391
 Recorder No. 2606 Capacity 4150 Location 4286 Ft.
 Clock No. 8475 Elevation 2230 Kelly Bushings Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2351</u>	P.S.I.	<u>1:10 A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>24</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>24</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>32</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>24</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>27</u>	P.S.I.		
G Final Closed-in Pressure	<u>35</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2332</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.
 Breakdown: 2 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.

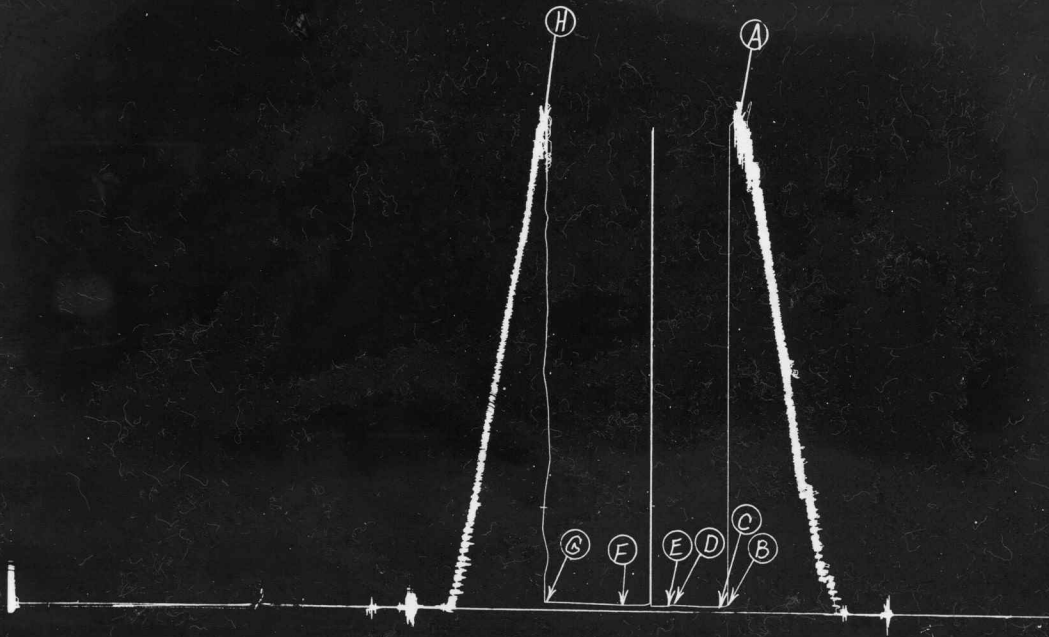
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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 <u>0</u>	<u>24</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>27</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>24</u>	<u>5</u>	<u>24</u>	<u>3</u>	<u>27</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>24</u>	<u>10</u>	<u>24</u>	<u>6</u>	<u>27</u>
P 4		<u>9</u>	<u>25</u>	<u>15</u>	<u>24</u>	<u>9</u>	<u>27</u>
P 5		<u>12</u>	<u>26</u>	<u>20</u>	<u>27</u>	<u>12</u>	<u>27</u>
P 6		<u>15</u>	<u>26</u>	<u>25</u>	<u>27</u>	<u>15</u>	<u>29</u>
P 7		<u>18</u>	<u>28</u>	<u>30</u>	<u>27</u>	<u>18</u>	<u>29</u>
P 8		<u>21</u>	<u>28</u>			<u>21</u>	<u>29</u>
P 9		<u>24</u>	<u>30</u>			<u>24</u>	<u>29</u>
P10		<u>27</u>	<u>31</u>			<u>27</u>	<u>29</u>
P11		<u>30</u>	<u>32</u>			<u>30</u>	<u>31</u>
P12						<u>33</u>	<u>31</u>
P13						<u>36</u>	<u>31</u>
P14						<u>39</u>	<u>31</u>
P15						<u>42</u>	<u>31</u>
P16						<u>45</u>	<u>31</u>
P17						<u>48</u>	<u>33</u>
P18						<u>51</u>	<u>33</u>
P19						<u>54</u>	<u>33</u>
P20						<u>57</u>	<u>35</u>
						<u>60</u>	<u>35</u>

Pickrell Drlg. Co.
Schadel "B" #4

T.K.T.# 10391
Test # 1

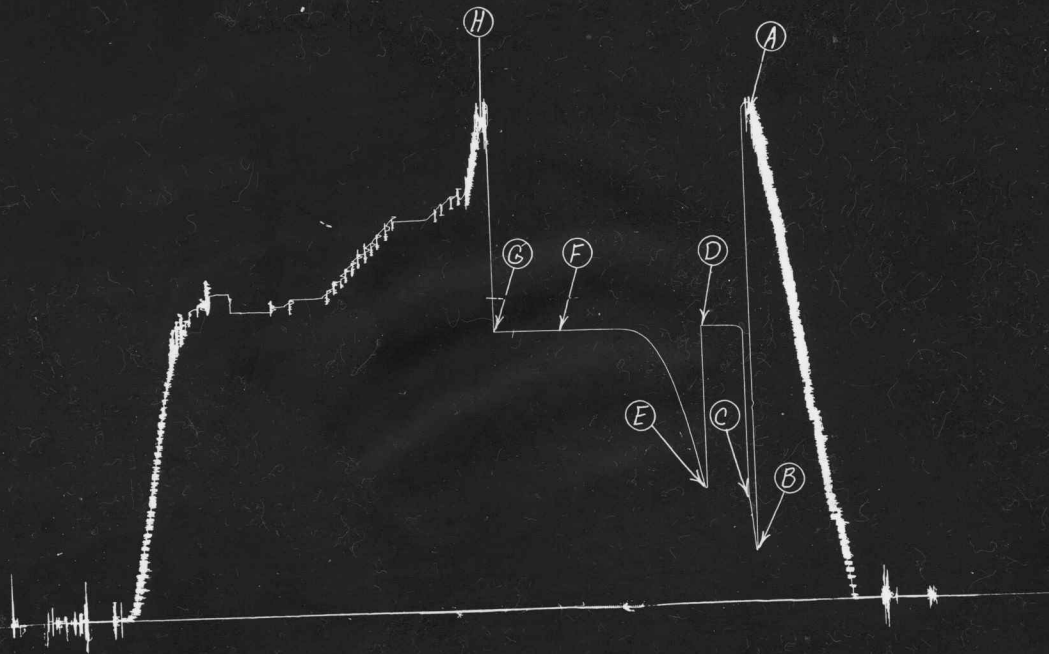


This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2376	2351	PSI
(B) First Initial Flow Pressure	20	24	PSI
(C) First Final Flow Pressure	20	24	PSI
(D) Initial Closed-in Pressure	31	32	PSI
(E) Second Initial Flow Pressure	20	24	PSI
(F) Second Final Flow Pressure	31	27	PSI
(G) Final Closed-in Pressure	31	35	PSI
(H) Final Hydrostatic Mud	2355	2332	PSI

Pickrell Drlg. Co.
Schadel "B" #4

T.K.T.# 10392
Test # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2376	2380	PSI
(B) First Initial Flow Pressure	249	245	PSI
(C) First Final Flow Pressure	500	504	PSI
(D) Initial Closed-in Pressure	1350	1348	PSI
(E) Second Initial Flow Pressure	562	560	PSI
(F) Second Final Flow Pressure	1350	1348	PSI
(G) Final Closed-in Pressure	1350	1348	PSI
(H) Final Hydrostatic Mud	2344	2346	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Schadel B#4 SEC. 6 TWP. 20S RGE. 20W TEST NO. 2 DATE 11-20-07



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Schadel B#4
Elevation 2230 Kelly Bushings Formation Mississippi Effective Pay _____ Ft. Ticket No. 10392
Date 11-26-67 Sec. 6 Twp. 20s Range 20w County Pawnee State Kansas
Test Approved by Charles Slagle Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4344' to 4360' Total Depth 4360'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 4339 Ft. Size 6 3/4 Packer Depth 4344 Ft. Size 6 3/4
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 16' Ft. Size 5 1/2" OD

RECORDERS Depth 4351 Ft. Clock No. 8475 Depth 4354 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside _____ Outside _____ Bottom Make Amerada Cap. 4300 No. 1567 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 7:42 P. M
Tool Open I.F.P. From 7:45 M. to 7:50 P.M. Hr. 5 Min. From (B) 245 P.S.I. To (C) 504 P.S.I.
Tool Closed I.C.I.P. From 7:50 M. to 8:20 P.M. Hr. 30 Min. (D) 1348 P.S.I.
Tool Open F.F.P. From 8:20 M. to 9:50 P.M. 1 Hr. 30 Min. From (E) 560 P.S.I. To (F) 1348 P.S.I.
Tool Closed F.C.I.P. From 9:50 M. to 10:50 P.M. 1 Hr. -- Min. (G) 1348 P.S.I.
Initial Hydrostatic Pressure (A) 2380 P.S.I. Final Hydrostatic Pressure (H) 2346 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong decreasing (dead in 1 hour 15 minutes) Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 3615 feet clean oil.

Reversed Out Yes _____ No _____ Mud Type starch Viscosity 56 Weight 10.2 Water Loss 10.0 cc. Maximum Temp. 124 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1055 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 33 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-26-67

Test Ticket No. 10392

Recorder No. 2606

Capacity 4150

Location 4351 Ft.

Clock No. 8475

Elevation 2230 Kelly Bushings

Well Temperature 124 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2380</u>	P.S.I.
B First Initial Flow Pressure	<u>245</u>	P.S.I.
C First Final Flow Pressure	<u>504</u>	P.S.I.
D Initial Closed-in Pressure	<u>1348</u>	P.S.I.
E Second Initial Flow Pressure	<u>560</u>	P.S.I.
F Second Final Flow Pressure	<u>1348</u>	P.S.I.
G Final Closed-in Pressure	<u>1348</u>	P.S.I.
H Final Hydrostatic Mud	<u>2346</u>	P.S.I.

Opened Tool
 First Flow Pressure
 Initial Closed-in Pressure
 Second Flow Pressure
 Final Closed-in Pressure

Time Given	Time Computed
<u>7:45 P.</u> M	
<u>5</u> Mins.	<u>7</u> Mins.
<u>30</u> Mins.	<u>28</u> Mins.
<u>90</u> Mins.	<u>90</u> Mins.
<u>60</u> Mins.	<u>60</u> Mins.

PRESSURE BREAKDOWN

First Flow Press.
 Breakdown: 1 Inc.
 of 5 mins. and a
 final inc. of 2 Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 1 Min.

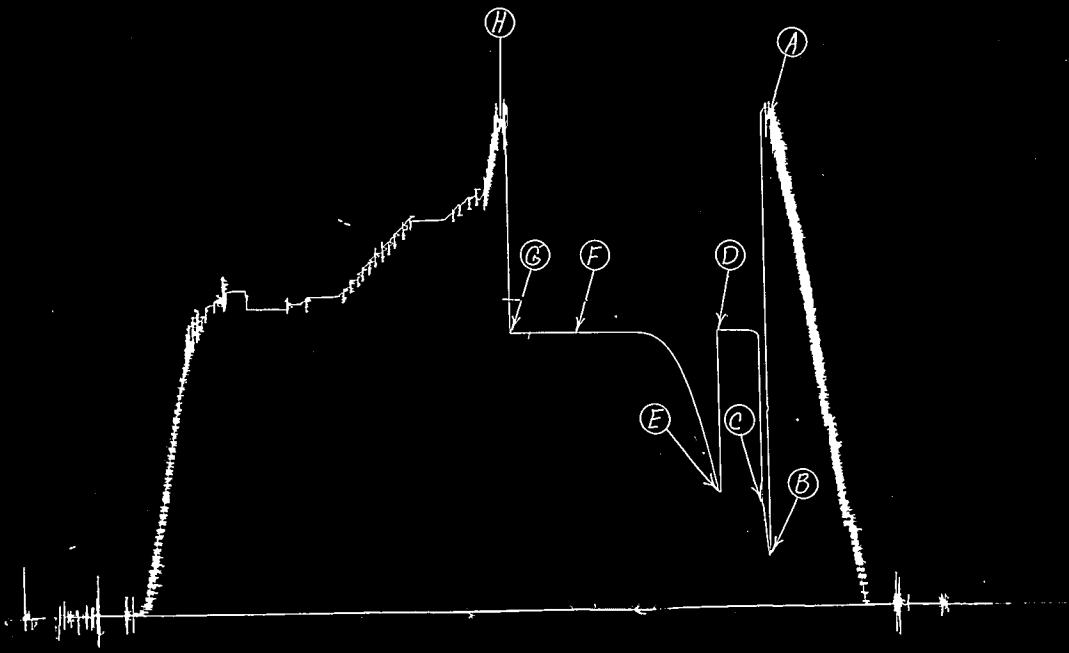
Second Flow Pressure
 Breakdown: 18 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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 <u>0</u>	<u>245</u>	<u>0</u>	<u>504</u>	<u>0</u>	<u>560</u>	<u>0</u>	<u>1348</u>
P 2 <u>5</u>	<u>416</u>	<u>3</u>	<u>1341</u>	<u>5</u>	<u>717</u>	<u>3</u>	<u>1348</u>
P 3 <u>7</u>	<u>504</u>	<u>6</u>	<u>1344</u>	<u>10</u>	<u>877</u>	<u>6</u>	<u>1348</u>
P 4		<u>9</u>	<u>1346</u>	<u>15</u>	<u>993</u>	<u>9</u>	<u>1348</u>
P 5		<u>12</u>	<u>1348</u>	<u>20</u>	<u>1103</u>	<u>12</u>	<u>1348</u>
P 6		<u>15</u>	<u>1348</u>	<u>25</u>	<u>1192</u>	<u>15</u>	<u>1348</u>
P 7		<u>18</u>	<u>1348</u>	<u>30</u>	<u>1254</u>	<u>18</u>	<u>1348</u>
P 8		<u>21</u>	<u>1348</u>	<u>35</u>	<u>1294</u>	<u>21</u>	<u>1348</u>
P 9		<u>24</u>	<u>1348</u>	<u>40</u>	<u>1323</u>	<u>24</u>	<u>1348</u>
P10		<u>27</u>	<u>1348</u>	<u>45</u>	<u>1335</u>	<u>27</u>	<u>1348</u>
P11		<u>28</u>	<u>1348</u>	<u>50</u>	<u>1342</u>	<u>30</u>	<u>1348</u>
P12				<u>55</u>	<u>1346</u>	<u>33</u>	<u>1348</u>
P13				<u>60</u>	<u>1356</u>	<u>36</u>	<u>1348</u>
P14				<u>65</u>	<u>1346</u>	<u>39</u>	<u>1348</u>
P15				<u>70</u>	<u>1346</u>	<u>42</u>	<u>1348</u>
P16				<u>75</u>	<u>1348</u>	<u>45</u>	<u>1348</u>
P17				<u>80</u>	<u>1348</u>	<u>48</u>	<u>1348</u>
P18				<u>85</u>	<u>1348</u>	<u>51</u>	<u>1348</u>
P19				<u>90</u>	<u>1348</u>	<u>54</u>	<u>1348</u>
P20						<u>57</u>	<u>1348</u>
						<u>60</u>	<u>1348</u>

Pickrell Drilling Co.
Schadel "B" #4

T.K.T. # 10392
Test # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2376	2380	PSI
(B) First Initial Flow Pressure	249	245	PSI
(C) First Final Flow Pressure	500	504	PSI
(D) Initial Closed-in Pressure	1350	1348	PSI
(E) Second Initial Flow Pressure	562	560	PSI
(F) Second Final Flow Pressure	1350	1348	PSI
(G) Final Closed-in Pressure	1350	1348	PSI
(H) Final Hydrostatic Mud	2344	2346	PSI

COMPANY Pickrell Drilling Co. LEASE AND WELL NO. Schadel B#4 SEC. 6 TWP. 20S RGE. 20W TEST NO. 2 DATE 11-26-67