

15-035-24024

19-345-3E



Ricketts Testing

Company DOCKING DEVELOPMENT COMPANY Lease & Well No. CANNAN #2

Elevation _____ Formation CLEVELAND SAND Effective Pay _____ ft. Ticket No. 1620

Date 8-18-92 Sec. 19 Twp. 34 Range 3E County SUMNER State KANSAS

Test Approved by LARRY BARTELSON Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 2980 ft. to 3017 ft. Total Depth 3017 ft.

Packer Depth 2980 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 2977 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2985 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 2988 ft. Recorder Number 13306 Cap. 4625

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

Drilling Contractor Allen Drilling Rig #1 Drill Collar Length _____ I.D. _____ in.

Mud Type Chemical Viscosity 45 Weight Pipe Length _____ I.D. _____ in.

Weight 9.5 Water Loss 9.6 cc. Drill Pipe Length 2958 I.D. 3.25 in.

Chlorides 1,600 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 37 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 x h in.

Blow: Strong blow throughout test. Gas to surface in 10 minutes Final Flow Period. 10 minutes, 1/4 Orifice, 6100 CFPD; 20 min., 6550 CFPD; 30 min., 9700 CFPD

Recovered 40 ft. of Gas cut mud.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 3:10 ~~XXXM.~~ P.M. Time Started Off Bottom 5:40 ~~XXXX~~ P.M. Maximum Temperature 99°

Initial Hydrostatic Pressure..... (A) 1473 P.S.I.

Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 30 (D) 914 P.S.I.

Final Flow Period Minutes 30 (E) 51 P.S.I. to (F) 37 P.S.I.

Final Closed In Period Minutes 60 (G) 976 P.S.I.

Final Hydrostatic Pressure (H) 1454 P.S.I.

RICKETTS TESTING

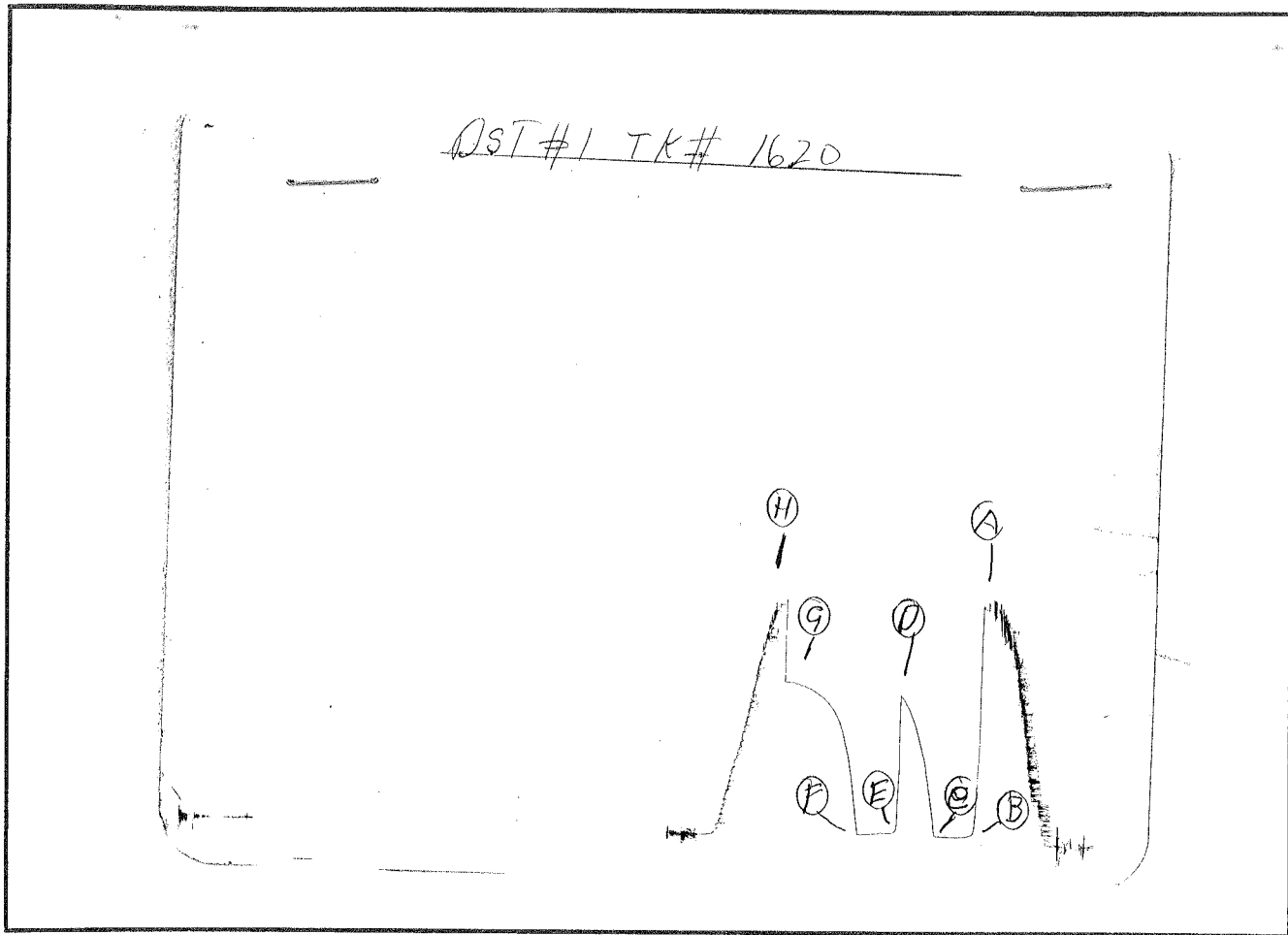
Pressure Data

Date 8-18-92 Test Ticket No. 1620
 Recorder No. 13307 Capacity 4650 Location 2985 Ft.
 Clock No. _____ Elevation _____ Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1473</u> P.S.I.	Open Tool	<u>3:10</u> P M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>914</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>37</u> P.S.I.			
G Final Closed-in Pressure	<u>976</u> P.S.I.			
H Final Hydrostatic Mud	<u>1454</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>10</u> Inc.		Breakdown: <u>6</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>37</u>
P 2	<u>5</u>	<u>3</u>	<u>141</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>194</u>
P 3	<u>10</u>	<u>6</u>	<u>285</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>361</u>
P 4	<u>15</u>	<u>9</u>	<u>431</u>	<u>15</u>	<u>51</u>	<u>9</u>	<u>491</u>
P 5	<u>20</u>	<u>12</u>	<u>545</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>598</u>
P 6	<u>25</u>	<u>15</u>	<u>635</u>	<u>25</u>	<u>39</u>	<u>15</u>	<u>694</u>
P 7	<u>30</u>	<u>18</u>	<u>717</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>749</u>
P 8	<u>35</u>	<u>21</u>	<u>784</u>	<u>35</u>		<u>21</u>	<u>800</u>
P 9	<u>40</u>	<u>24</u>	<u>835</u>	<u>40</u>		<u>24</u>	<u>837</u>
P10	<u>45</u>	<u>27</u>	<u>879</u>	<u>45</u>		<u>27</u>	<u>863</u>
P11	<u>50</u>	<u>30</u>	<u>914</u>	<u>50</u>		<u>30</u>	<u>884</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	<u>902</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	<u>919</u>
P14	<u>65</u>	<u>39</u>		<u>65</u>		<u>39</u>	<u>932</u>
P15	<u>70</u>	<u>42</u>		<u>70</u>		<u>42</u>	<u>944</u>
P16	<u>75</u>	<u>45</u>		<u>75</u>		<u>45</u>	<u>953</u>
P17	<u>80</u>	<u>48</u>		<u>80</u>		<u>48</u>	<u>961</u>
P18	<u>85</u>	<u>51</u>		<u>85</u>		<u>51</u>	<u>966</u>
P19	<u>90</u>	<u>54</u>		<u>90</u>		<u>54</u>	<u>970</u>
P20	<u>95</u>	<u>57</u>				<u>57</u>	<u>974</u>
		<u>60</u>				<u>60</u>	<u>976</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1470	1473	PSI
(B) First Initial Flow Pressure	35	40	PSI
(C) First Final Flow Pressure	35	40	PSI
(D) Initial Closed-in Pressure	893	914	PSI
(E) Second Initial Flow Pressure	35	51	PSI
(F) Second Final Flow Pressure	35	37	PSI
(G) Final Closed-in Pressure	963	976	PSI
(H) Final Hydrostatic Mud	1447	1454	PSI

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