

Company Kansas Oil Corporation Lease & Well No. Nichas #3
 Elevation 2385 Kelly Bush Formation Lansing Effective Pay - Ft. Ticket No. 7082
 Date 8-17-80 Sec. 29 Twp. 11S Range 22W County Trego State Kansas
 Test Approved by Zeb Stewart Western Representative Randy Lackey

Formation Test No. 1 Interval Tested from 3629 ft. to 3654 ft. Total Depth 3654 ft.
 Packer Depth 3624 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3629 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3648 ft. Recorder Number 1134 Cap. 4500
 Bottom Recorder Depth (Outside) 3651 ft. Recorder Number 1049 Cap. 3500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Co. Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 42 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3636 I. D. 3.8 in.
 Chlorides 35,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 25 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 FH in.

Blow: Very weak blow died in 10 minutes into initial flow period. Dead throughout final flow period.

Recovered 4 ft. of mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

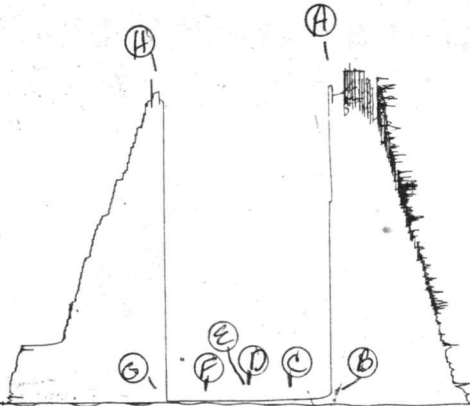
Remarks:

Time Set Packer(s) 3:30 A.M. P.M. Time Started Off Bottom 5:30 A.M. P.M. Maximum Temperature 109
 Initial Hydrostatic Pressure (A) 1840 P.S.I.
 Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 29 P.S.I.
 Initial Closed In Period Minutes 30 (D) 22 P.S.I.
 Final Flow Period Minutes 30 (E) 22 P.S.I. to (F) 22 P.S.I.
 Final Closed In Period Minutes 30 (G) 22 P.S.I.
 Final Hydrostatic Pressure (H) 1806 P.S.I.

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Company Kansas Oil Corporation Lease & Well No. Nilhas #3
 Elevation 2385 Kelly Bushing Lansing "B" Zone Formation Lansing "B" Zone Effective Pay -- Ft. Ticket No. 7083
 Date 8/17/80 Sec. 29 Twp. 11S Range 22W County Trego State Kansas
 Test Approved by Zeb Stewart Western Representative Randy Lackey

Formation Test No. 2 Interval Tested from 3655 ft. to 3690 ft. Total Depth 3690 ft.
 Packer Depth 3650 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3655 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3684 ft. Recorder Number 1134 Cap. 4500
 Bottom Recorder Depth (Outside) 3687 ft. Recorder Number 1049 Cap. 3500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Company Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 12.0 cc. Drill Pipe Length 3666 I. D. 3.8 in.
 Chlorides 37,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number No Anchor Length 35 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 FH in.

Blow: Very weak blow; dead within ten minutes; flushed tool, dead one minute; dead throughout initial flow period. Dead throughout final flow period.

Recovered 10 ft. of mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s)	<u>7:00</u>	<u>A.M.</u>	Time Started Off Bottom	<u>10:00</u>	<u>A.M.</u>	Maximum Temperature	<u>109°</u>
		<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>1854</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>74</u>	P.S.I. to (C) <u>47</u> P.S.I.
Initial Closed In Period			Minutes	<u>51</u>	(D)	<u>56</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>49</u>	P.S.I. to (F) <u>41</u> P.S.I.
Final Closed In Period			Minutes	<u>54</u>	(G)	<u>41</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1811</u>		P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 8-17-80 Test Ticket No. 7083
 Recorder No. 1134 Capacity 4500 Location 3684 Fr.
 Clock No. ----- Elevation 2385 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1854</u>	P.S.I.	<u>7:00</u> P. M.	
B First Initial Flow Pressure	<u>74</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u>	P.S.I.	<u>60</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>56</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>49</u>	P.S.I.	<u>60</u> Mins.	<u>54</u> Mins.
F Second Final Flow Pressure	<u>41</u>	P.S.I.		
G Final Closed-in Pressure	<u>41</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1811</u>	P.S.I.		

PRESSURE BREAKDOWN

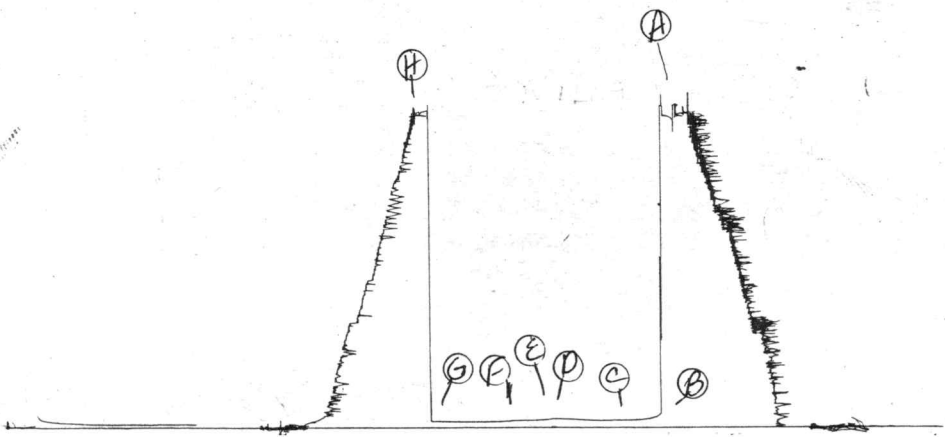
Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>18</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>74</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>41</u>
P 2	<u>63</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>41</u>
P 3	<u>53</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>40</u>
P 4	<u>49</u>	<u>9</u>	<u>45</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>40</u>
P 5	<u>49</u>	<u>12</u>	<u>45</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>39</u>
P 6	<u>49</u>	<u>15</u>	<u>45</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>38</u>
P 7	<u>47</u>	<u>18</u>	<u>46</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>38</u>
P 8		<u>21</u>	<u>46</u>			<u>21</u>	<u>38</u>
P 9		<u>24</u>	<u>47</u>			<u>24</u>	<u>38</u>
P10		<u>27</u>	<u>48</u>			<u>27</u>	<u>38</u>
P11		<u>30</u>	<u>49</u>			<u>30</u>	<u>38</u>
P12		<u>33</u>	<u>50</u>			<u>33</u>	<u>38</u>
P13		<u>36</u>	<u>51</u>			<u>36</u>	<u>39</u>
P14		<u>39</u>	<u>52</u>			<u>39</u>	<u>39</u>
P15		<u>42</u>	<u>53</u>			<u>42</u>	<u>40</u>
P16		<u>45</u>	<u>54</u>			<u>45</u>	<u>40</u>
P17		<u>48</u>	<u>55</u>			<u>48</u>	<u>40</u>
P18		<u>51</u>	<u>56</u>			<u>51</u>	<u>41</u>
P19						<u>54</u>	<u>41</u>
P20							

DST# 2

SKT # 7083

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Company Kansas Oil Corporation Lease & Well No. Nilhas #3
 Elevation 2385 Kelly Bushing Formation Marmaton Effective Pay ---- Ft. Ticket No. 7084
 Date 8/19/80 Sec. 29 Twp. 11S Range 22W County Trego State Kansas
 Test Approved by Zeb Stewart Western Representative Randy Lackey

Formation Test No. 3 Interval Tested from 3972 ft. to 4005 ft. Total Depth 4005 ft.
 Packer Depth 3972 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3967 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3999 ft. Recorder Number 1134 Cap. 4500
 Bottom Recorder Depth (Outside) 4002 ft. Recorder Number 1049 Cap. 3500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 9.6 Water Loss 8.4 cc. Drill Pipe Length 3968 I. D. 3.8 in.
 Chlorides 37,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number No Anchor Length 33 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 FH in.

Blow: Very weak throughout initial flow period. Very weak throughout final flow period.

Recovered 60 ft. of mud slightly oil cut (3% oil; 97% mud)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set	Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
	<u>7:45</u>		<u>10:50</u>		<u>-</u>
Initial Hydrostatic Pressure			(A) <u>35</u>	<u>2081</u>	P.S.I.
Initial Flow Period			(B) <u>74</u>		P.S.I. to (C) <u>53</u> P.S.I.
Initial Closed In Period			(D) <u>54</u>	<u>924</u>	P.S.I.
Final Flow Period			(E) <u>30</u>	<u>80</u>	P.S.I. to (F) <u>62</u> P.S.I.
Final Closed In Period			(G) <u>63</u>	<u>873</u>	P.S.I.
Final Hydrostatic Pressure			(H) <u>2060</u>		P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8-19-80 Test Ticket No. 7084
 Recorder No. 1134 Capacity 4500 Location 3999 Ft.
 Clock No. ---- Elevation 2385 Kelly Bushing Well Temperature ----- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2081</u> P.S.I.	Open Tool	<u>7:45</u> M	
B First Initial Flow Pressure	<u>74</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>53</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>54</u> Mins.
D Initial Closed-in Pressure	<u>924</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.			
G Final Closed-in Pressure	<u>873</u> P.S.I.			
H Final Hydrostatic Mud	<u>2060</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins.	and a final inc. of <u>0</u> Min.	of <u>3</u> mins.	and a final inc. of <u>0</u> Min.	of <u>5</u> mins.	and a final inc. of <u>0</u> Min.	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>74</u>	<u>0</u>	<u>53</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>62</u>	
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>69</u>	<u>5</u>	<u>70</u>	<u>3</u>	<u>65</u>	
P 3 <u>10</u>	<u>54</u>	<u>6</u>	<u>118</u>	<u>10</u>	<u>64</u>	<u>6</u>	<u>70</u>	
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>234</u>	<u>15</u>	<u>62</u>	<u>9</u>	<u>83</u>	
P 5 <u>20</u>	<u>55</u>	<u>12</u>	<u>422</u>	<u>20</u>	<u>62</u>	<u>12</u>	<u>100</u>	
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>667</u>	<u>25</u>	<u>62</u>	<u>15</u>	<u>145</u>	
P 7 <u>30</u>	<u>53</u>	<u>18</u>	<u>778</u>	<u>30</u>	<u>62</u>	<u>18</u>	<u>239</u>	
P 8 <u>35</u>	<u>53</u>	<u>21</u>	<u>831</u>			<u>21</u>	<u>375</u>	
P 9		<u>24</u>	<u>853</u>			<u>24</u>	<u>568</u>	
P10		<u>27</u>	<u>871</u>			<u>27</u>	<u>673</u>	
P11		<u>30</u>	<u>882</u>			<u>30</u>	<u>733</u>	
P12		<u>33</u>	<u>893</u>			<u>33</u>	<u>764</u>	
P13		<u>36</u>	<u>902</u>			<u>36</u>	<u>791</u>	
P14		<u>39</u>	<u>907</u>			<u>39</u>	<u>809</u>	
P15		<u>42</u>	<u>913</u>			<u>42</u>	<u>821</u>	
P16		<u>45</u>	<u>913</u>			<u>45</u>	<u>836</u>	
P17		<u>48</u>	<u>916</u>			<u>48</u>	<u>847</u>	
P18		<u>51</u>	<u>920</u>			<u>51</u>	<u>853</u>	
P19		<u>54</u>	<u>924</u>			<u>54</u>	<u>860</u>	
P20						<u>57</u>	<u>866</u>	
						<u>60</u>	<u>869</u>	
						<u>63</u>	<u>873</u>	

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