

Company Oil Properties Co., Inc. Lease & Well No. Clair #1

Elevation ----- Formation ----- Effective Pay ----- Ft. Ticket No. 6397

Date 7-20-80 Sec. 4 Twp. 18 S Range 10 W County Rice State KS

Test Approved by David P. Williams Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 3060 ft. to 3100 ft. Total Depth 3100 ft.

Packer Depth 3055 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

Packer Depth 3060 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3090 ft. Recorder Number 969 Cap. 4200

Bottom Recorder Depth (Outside) 3087 ft. Recorder Number 10207 Cap. 5400

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

Drilling Contractor D.R. Lauck Rig #2 Drill Collar Length ----- I. D. ----- in.

Mud Type Starch Viscosity 45 Weight Pipe Length 440 I. D. 2.8 in.

Weight 9.5 Water Loss 11.4 cc. Drill Pipe Length 2599 I. D. 3.8 in.

Chlorides 41,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make ----- Serial Number ----- Anchor Length 40 ft. Size 5 1/2 OD in.

Did Well Flow? ----- 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: No blow, Flushed tool; No blow.

Recovered 20 ft. of Drilling mud.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 5:12 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 6:00 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 109<sup>0</sup> F.

Initial Hydrostatic Pressure ..... (A) 1648 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 79 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period ..... Minutes 15 (D) 45 P.S.I.

Final Flow Period ..... Minutes 15 (E) 45 P.S.I. to (F) 61 P.S.I.

Final Closed In Period ..... Minutes 18 (G) 54 P.S.I.

Final Hydrostatic Pressure ..... (H) 1631 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7-20-80 Recorder No. 969 Capacity 4200 Test Ticket No. 6397  
 Location 3090 Ft. Elevation ----- Well Temperature 109 °F

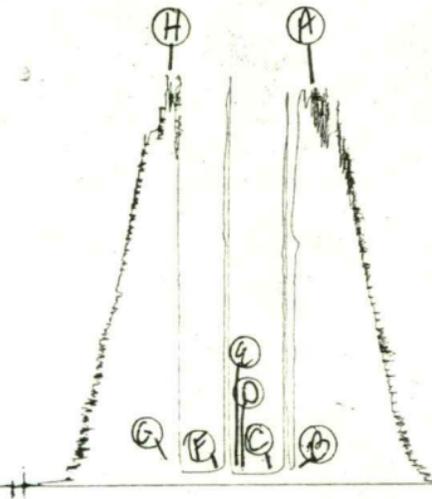
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1648</u> P.S.I.	Open Tool	<u>5:12</u> A <sub>M</sub>	
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>45</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>45</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>61</u> P.S.I.			
G Final Closed-in Pressure	<u>54</u> P.S.I.			
H Final Hydrostatic Mud	<u>1631</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>5</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>6</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>79</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>Flushed tool</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>55</u>
P 3 <u>10</u>	<u>53</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>Flushed tool</u>	<u>6</u>	<u>54</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>45</u>	<u>15</u>	<u>61</u>	<u>9</u>	<u>54</u>
P 5 _____	_____	<u>12</u>	<u>45</u>	_____	_____	<u>12</u>	<u>54</u>
P 6 _____	_____	<u>15</u>	<u>45</u>	_____	_____	<u>15</u>	<u>54</u>
P 7 _____	_____	_____	_____	_____	_____	<u>18</u>	<u>54</u>
P 8 _____	_____	_____	_____	_____	_____	_____	_____
P 9 _____	_____	_____	_____	_____	_____	_____	_____
P10 _____	_____	_____	_____	_____	_____	_____	_____
P11 _____	_____	_____	_____	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

AKT # 6397

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Company Oil Properties Co., Inc. Lease & Well No. Clair #1  
 Elevation 1794 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 6398  
 Date 7-21-80 Sec. 4 Twp. 18 S Range 10 W County Rice State KS  
 Test Approved by David P. Williams Western Representative Gene Eberhart

Formation Test No. 2 Interval Tested from 3238 ft. to 3248 ft. Total Depth 3248 ft.  
 Packer Depth 3233 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.  
 Packer Depth 3238 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.  
 Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3241 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 3244 ft. Recorder Number 10207 Cap. 5400  
 Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. -----

Drilling Contractor D. R. Lauck Rig #2 Drill Collar Length ----- I. D. ----- in.  
 Mud Type Starch Viscosity 48 Weight Pipe Length 440 I. D. 2.8 in.  
 Weight 9.6 Water Loss 12.1 cc. Drill Pipe Length 2777 I. D. 3.8 in.  
 Chlorides 42,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make ----- Serial Number ----- Anchor Length 10 ft. Size 5 1/2 OD in.  
 Did Well Flow? ----- 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: Strong blow during both flow periods.

Recovered 945 ft. of Free oil (Gravity 42<sup>0</sup>).  
 Recovered 65 ft. of Water.  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:       

Time Set Packer(s) 1:38 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 4:00 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 113<sup>0</sup> F.  
 Initial Hydrostatic Pressure ..... (A) 1690 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 126 P.S.I. to (C) 326 P.S.I.  
 Initial Closed In Period ..... Minutes 39 (D) 588 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 400 P.S.I. to (F) 414 P.S.I.  
 Final Closed In Period ..... Minutes 51 (G) 516 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1659 P.S.I.



Set #6398

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