



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 8616

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1781 KB Formation Kansas City KC Eff. Pay Ft.

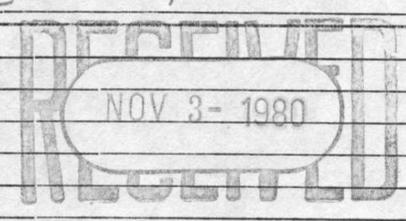
District GT Bend Date 10-30-80 Customer Order No.

COMPANY NAME Rupe Oil Co. INC. ADDRESS P.O. Box 2273 434 Ohio Wichita, KS, 67201 LEASE AND WELL NO. Dees #1 COUNTY Ellsworth STATE KS, Sec. 14 Twp E5 Rge 9W Mail Invoice To Dees #1 Co. Name Same Address No. Copies Requested 5 Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested from 3022 ft. to 3058 ft. Total Depth 3058 ft. Packer Depth 3022 ft. Size 6 3/4 in. Recorder Number 6234 Cap. 4500 Bottom Recorder Depth 3028 ft. Recorder Number 4339 Cap. 4300 Below Straddle Recorder Depth Drilling Contractor Heco #1 Mud Type Starch Viscosity 43 Weight 10.1 Water Loss 20.0 cc. Chlorides 85,000 P.P.M. Jars: Make Serial Number Did Well Flow? No Reversed Out No Drill Collar Length I. D. Weight Pipe Length I. D. 2.7 in. Drill Pipe Length I. D. 3.8 in. Test Tool Length 16 ft. Tool Size 4 1/2 in. Anchor Length 30 ft. Size 5 1/2 in. Surface Choke Size 1 1/2 in. Bottom Choke Size 1/2 in. Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 F in.

Blow: ~~Weak Blow Building Very Sluggish on initial flow~~ Weak Blow Throughout final flow

Recovered 2 ft. of oil cut mud Recovered 68 ft. of muddy water Recovered ft. of Recovered ft. of Recovered ft. of Remarks:



Time On Location 11:00 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location 10:30 A.M. Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 8:15 A.M. Maximum Temperature 101 degrees Initial Hydrostatic Pressure (A) 1656 P.S.I. Initial Flow Period (B) 30 Minutes (C) 22 P.S.I. Initial Closed In Period (D) 45 Minutes (E) 662 P.S.I. Final Flow Period (F) 60 Minutes (G) 34 P.S.I. Final Closed In Period (H) 60 Minutes (I) 617 P.S.I. Final Hydrostatic Pressure (J) 1644 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By W. H. Clement Signature of Customer or his authorized representative

Western Representative Dan Delaney Ray Schwager

FIELD INVOICE

Open Hole Test \$350.00 Misrun \$ Straddle Test \$ Jars \$ Selective Zone \$ Safety Joint \$ Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage 35 mi \$26.25 Fluid Sampler \$ Extra Charts \$ Insurance \$ TOTAL \$576.25

WESTERN TESTING CO., INC.
Pressure Data

Date 10-30 Test Ticket No. 8616
 Recorder No. 6234 Capacity 4500 Location 3025 Ft.
 Clock No. _____ Elevation 1781 KB Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1679</u> P.S.I.	Open Tool	<u>5:00</u> A.M.	
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>668</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>50</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>54</u> P.S.I.			
G Final Closed-in Pressure	<u>622</u> P.S.I.			
H Final Hydrostatic Mud	<u>1654</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

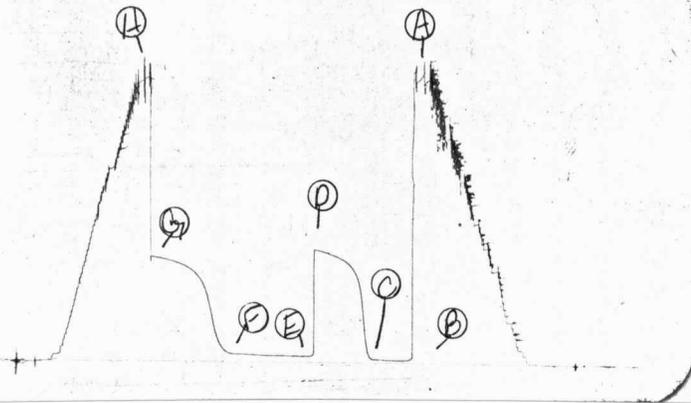
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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>0</u>	<u>27</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>54</u>
P 2	<u>5</u>	<u>3</u>	<u>53</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>60</u>
P 3	<u>10</u>	<u>6</u>	<u>161</u>	<u>10</u>	<u> </u>	<u>6</u>	<u>76</u>
P 4	<u>15</u>	<u>9</u>	<u>344</u>	<u>15</u>	<u> </u>	<u>9</u>	<u>110</u>
P 5	<u>20</u>	<u>12</u>	<u>470</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>163</u>
P 6	<u>25</u>	<u>15</u>	<u>534</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>248</u>
P 7	<u>30</u>	<u>18</u>	<u>563</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>344</u>
P 8	<u>35</u>	<u>21</u>	<u>590</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>436</u>
P 9	<u>40</u>	<u>24</u>	<u>608</u>	<u>40</u>	<u>48</u>	<u>24</u>	<u>477</u>
P10	<u>45</u>	<u>27</u>	<u>619</u>	<u>45</u>	<u>50</u>	<u>27</u>	<u>511</u>
P11	<u>50</u>	<u>30</u>	<u>631</u>	<u>50</u>	<u>52</u>	<u>30</u>	<u>538</u>
P12	<u>55</u>	<u>33</u>	<u>640</u>	<u>55</u>	<u>53</u>	<u>33</u>	<u>554</u>
P13	<u>60</u>	<u>36</u>	<u>651</u>	<u>60</u>	<u>54</u>	<u>36</u>	<u>565</u>
P14		<u>39</u>	<u>658</u>	<u>65</u>		<u>39</u>	<u>579</u>
P15		<u>42</u>	<u>662</u>	<u>70</u>		<u>42</u>	<u>588</u>
P16		<u>45</u>	<u>668</u>	<u>75</u>		<u>45</u>	<u>595</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>601</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>606</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>613</u>
P19		<u>57</u>				<u>57</u>	<u>617</u>
P20		<u>60</u>				<u>60</u>	<u>622</u>

TKH 8616
I

6234



Company Rupe Oil Company, Inc. Lease & Well No. Dees #1
 Elevation 1781 Kelly Bushing Formation Kansas City Effective Pay --- Ft. Ticket No. 8616
 Date 10/30/80 Sec. 14 Twp. 7S Range 9W County Ellsworth State Kansas
 Test Approved by W. G. Clement Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 3022 ft. to 3058 ft. Total Depth 3058 ft. Ray Schwager
 Packer Depth 3022 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3025 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 3028 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Roco Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 43 Weight Pipe Length 305 I. D. 2.7 in.
 Weight 10.1 Water Loss 20.0 cc. Drill Pipe Length 2701 I. D. 3.8 in.
 Chlorides 85,000 P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.
 Jars: Make -- Serial Number - Anchor Length 36 ft. Size 5 1/2 in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow building very slowly on initial flow. Weak blow throughout final flow period.

Recovered 2 ft. of oil cut mud
 Recovered 68 ft. of muddy water
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:00 ~~P.M.~~ A.M. Time Started Off Bottom 8:15 ~~P.M.~~ A.M. Maximum Temperature 101°
 Initial Hydrostatic Pressure (A) 1679 P.S.I.
 Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period Minutes 45 (D) 668 P.S.I.
 Final Flow Period Minutes 60 (E) 50 P.S.I. to (F) 54 P.S.I.
 Final Closed In Period Minutes 60 (G) 622 P.S.I.
 Final Hydrostatic Pressure (H) 1654 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-30-80

Test Ticket No. 8616

Recorder No. 6234 Capacity 4500 Location 3025 Ft.

Clock No. _____ Elevation 1781 Kelly Bushing Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1679	P.S.I.	5:00 A M	
B First Initial Flow Pressure	32	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	27	P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	668	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	50	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	54	P.S.I.		
G Final Closed-in Pressure	622	P.S.I.		
H Final Hydrostatic Mud	1654	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

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

Initial Shut-In

Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 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>32</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>54</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>53</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>60</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>161</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>76</u>
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>344</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>110</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>470</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>163</u>
P 6 <u>25</u>	<u>25</u>	<u>15</u>	<u>534</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>248</u>
P 7 <u>30</u>	<u>27</u>	<u>18</u>	<u>563</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>344</u>
P 8 _____	_____	<u>21</u>	<u>590</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>436</u>
P 9 _____	_____	<u>24</u>	<u>608</u>	<u>40</u>	<u>48</u>	<u>24</u>	<u>477</u>
P10 _____	_____	<u>27</u>	<u>619</u>	<u>45</u>	<u>50</u>	<u>27</u>	<u>511</u>
P11 _____	_____	<u>30</u>	<u>631</u>	<u>50</u>	<u>52</u>	<u>30</u>	<u>538</u>
P12 _____	_____	<u>33</u>	<u>640</u>	<u>55</u>	<u>53</u>	<u>33</u>	<u>554</u>
P13 _____	_____	<u>36</u>	<u>651</u>	<u>60</u>	<u>54</u>	<u>36</u>	<u>565</u>
P14 _____	_____	<u>39</u>	<u>658</u>	_____	_____	<u>39</u>	<u>579</u>
P15 _____	_____	<u>42</u>	<u>662</u>	_____	_____	<u>42</u>	<u>588</u>
P16 _____	_____	<u>45</u>	<u>668</u>	_____	_____	<u>45</u>	<u>595</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>601</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>606</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>613</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>617</u>
						<u>60</u>	<u>622</u>



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No

8617

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1781 Kelly Bashing. Formation Address Eff. Pay Ft.

District GT Bend Date 10-31-80 Customer Order No.

COMPANY NAME Rupe Oil Co Inc

ADDRESS P.O. Box 2273 434 Ohio Wichita K.S. 67201

LEASE AND WELL NO. Ohio #1 COUNTY Ellsworth STATE KS. Sec. 14 Twp 87S Rge 9W

Mail Invoice To Dec 11 #1 Co. Name SAME Address No. Copies Requested 5

Mail Charts To SAME Address No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3145 ft. to 3182 ft. Total Depth 3182 ft.

Packer Depth 3145 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3149 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3152 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Rupe #1 Drill Collar Length I. D. in.

Mud Type starch Viscosity 45 Weight Pipe Length 305 I. D. 2.7 in.

Weight 10.5 Water Loss 12.8 cc. Drill Pipe Length 2824 I. D. 3.8 in.

Chlorides 75,000 P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 37 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out yes Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak Blow Building to Strong Blow. Initial Flow Period Final " "

Recovered 1560 ft. of Gassy Oil gas

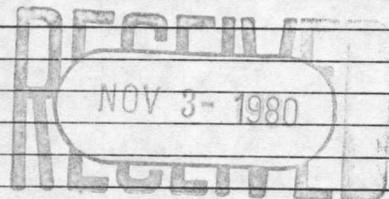
Recovered 120 ft. of HEAVILY OIL GOT MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time On Location 1:00 A.M. Time Pick Up Tool 2:00 A.M. Time Off Location 10:00 A.M.

Time Set Packer(s) 3:15 P.M. Time Started Off Bottom 5:45 P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1757 P.S.I.

Initial Flow Period Minutes 30 (B) 252 P.S.I. to (C) 493 P.S.I.

Initial Closed In Period Minutes 45 (D) 1056 P.S.I.

Final Flow Period Minutes 15 (E) 527 P.S.I. to (F) 617 P.S.I.

Final Closed In Period Minutes 60 (G) 1056 P.S.I.

Final Hydrostatic Pressure (H) 1755 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By W.S. Clement Signature of Customer or his authorized representative

Western Representative Dean Delaney Ray Sawyer

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (250.00), Misc. (30.00), and TOTAL (550.00).

WESTERN TESTING CO., INC.
Pressure Data

Date 10-31 Test Ticket No. 8617
 Recorder No. 6234 Capacity 4500 Location 3149 Ft.
 Clock No. _____ Elevation 1781 KB Well Temperature 102 °F

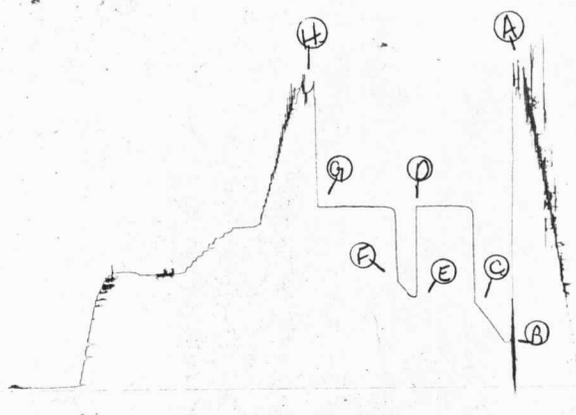
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1792</u> P.S.I.	Open Tool	<u>3:15 A.M.</u>	
B First Initial Flow Pressure	<u>259</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>500</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1058</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>532</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>622</u> P.S.I.			
G Final Closed-in Pressure	<u>1058</u> P.S.I.			
H Final Hydrostatic Mud	<u>1717</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</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>20</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>259</u>	<u>0</u> <u>500</u>	<u>0</u> <u>532</u>	<u>0</u> <u>622</u>			
P 2	<u>5</u> <u>273</u>	<u>3</u> <u>1038</u>	<u>5</u> <u>545</u>	<u>3</u> <u>1036</u>			
P 3	<u>10</u> <u>326</u>	<u>6</u> <u>1052</u>	<u>10</u> <u>590</u>	<u>6</u> <u>1050</u>			
P 4	<u>15</u> <u>388</u>	<u>9</u> <u>1054</u>	<u>15</u> <u>622</u>	<u>9</u> <u>1054</u>			
P 5	<u>20</u> <u>433</u>	<u>12</u> <u>1056</u>	<u>20</u> _____	<u>12</u> <u>1056</u>			
P 6	<u>25</u> <u>482</u>	<u>15</u> <u>1058</u>	<u>25</u> _____	<u>15</u> <u>1057</u>			
P 7	<u>30</u> <u>500</u>	<u>18</u> _____	<u>30</u> _____	<u>18</u> <u>1057</u>			
P 8	<u>35</u> _____	<u>21</u> _____	<u>35</u> _____	<u>21</u> <u>1058</u>			
P 9	<u>40</u> _____	<u>24</u> _____	<u>40</u> _____	<u>24</u> <u>1058</u>			
P10	<u>45</u> _____	<u>27</u> _____	<u>45</u> _____	<u>27</u> <u>1059</u>			
P11	<u>50</u> _____	<u>30</u> _____	<u>50</u> _____	<u>30</u> <u>1060</u>			
P12	<u>55</u> _____	<u>33</u> _____	<u>55</u> _____	<u>33</u> _____			
P13	<u>60</u> _____	<u>36</u> _____	<u>60</u> _____	<u>36</u> _____			
P14	_____	<u>39</u> _____	<u>65</u> _____	<u>39</u> _____			
P15	_____	<u>42</u> _____	<u>70</u> _____	<u>42</u> _____			
P16	_____	<u>45</u> <u>1058</u>	<u>75</u> _____	<u>45</u> <u>1060</u>			
P17	_____	<u>48</u> _____	<u>80</u> _____	<u>48</u> <u>1059</u>			
P18	_____	<u>51</u> _____	<u>85</u> _____	<u>51</u> <u>1059</u>			
P19	_____	<u>54</u> _____	<u>90</u> _____	<u>54</u> <u>1058</u>			
P20	_____	<u>57</u> _____	_____	<u>57</u> <u>1058</u>			
		<u>60</u> _____	_____	<u>60</u> <u>1058</u>			

TK# 8617
J.



6234

Company Rupe Oil Company, Inc. Lease & Well No. Dees #1

Elevation 1781 Kelly Bushing Formation -- Effective Pay - Ft. Ticket No. 8617

Date 10/31/80 Sec. 14 Twp. 7S Range 9W County Ellsworth State Kansas

Test Approved by Wm. G. Clement Western Representative Dan Delaney-Ray Schwager

Formation Test No. 3 Interval Tested from 3145 ft. to 3182 ft. Total Depth 3182 ft.

Packer Depth 3145 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3149 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3152 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor Roco Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 45 Weight Pipe Length 305 I. D. 2.7 in.

Weight 10.5 Water Loss 12.8 cc. Drill Pipe Length 2824 I. D. 3.8 in.

Chlorides 75,000 P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 37 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out Yes Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow ;building to a strong blow initial flow period. Strong blow on final flow period.

Recovered 1560 ft. of gassy oil

Recovered 120 ft. of heavily oil and gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 5:45 A.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1792 P.S.I.

Initial Flow Period Minutes 30 (B) 259 P.S.I. to (C) 500 P.S.I.

Initial Closed In Period Minutes 45 (D) 1058 P.S.I.

Final Flow Period Minutes 15 (E) 532 P.S.I. to (F) 622 P.S.I.

Final Closed In Period Minutes 60 (G) 1058 P.S.I.

Final Hydrostatic Pressure (H) 1717 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-31-80

Test Ticket No. 8617

Recorder No. 6234 Capacity 4500 Location 3149 Ft.

Clock No. - Elevation 1781 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1792</u> P.S.I.	Open Tool	<u>3:15A</u> M	
B First Initial Flow Pressure	<u>259</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>500</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1058</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>532</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>622</u> P.S.I.			
G Final Closed-in Pressure	<u>1058</u> P.S.I.			
H Final Hydrostatic Mud	<u>1717</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>15</u> Inc.		Breakdown: <u>3</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>259</u>	<u>0</u>	<u>500</u>	<u>0</u>	<u>532</u>	<u>0</u>	<u>622</u>
P 2 <u>5</u>	<u>273</u>	<u>3</u>	<u>1038</u>	<u>5</u>	<u>545</u>	<u>3</u>	<u>1036</u>
P 3 <u>10</u>	<u>326</u>	<u>6</u>	<u>1052</u>	<u>10</u>	<u>590</u>	<u>6</u>	<u>1050</u>
P 4 <u>15</u>	<u>388</u>	<u>9</u>	<u>1054</u>	<u>15</u>	<u>622</u>	<u>9</u>	<u>1054</u>
P 5 <u>20</u>	<u>433</u>	<u>12</u>	<u>1056</u>			<u>12</u>	<u>1056</u>
P 6 <u>25</u>	<u>482</u>	<u>15</u>	<u>1058</u>			<u>15</u>	<u>1057</u>
P 7 <u>30</u>	<u>500</u>	<u>18</u>	<u>1058</u>			<u>18</u>	<u>1057</u>
P 8 _____		<u>21</u>	<u>1058</u>			<u>21</u>	<u>1058</u>
P 9 _____		<u>24</u>	<u>1058</u>			<u>24</u>	<u>1058</u>
P10 _____		<u>27</u>	<u>1058</u>			<u>27</u>	<u>1059</u>
P11 _____		<u>30</u>	<u>1058</u>			<u>30</u>	<u>1060</u>
P12 _____		<u>33</u>	<u>1058</u>			<u>33</u>	<u>1060</u>
P13 _____		<u>36</u>	<u>1058</u>			<u>36</u>	<u>1060</u>
P14 _____		<u>39</u>	<u>1058</u>			<u>39</u>	<u>1060</u>
P15 _____		<u>42</u>	<u>1058</u>			<u>42</u>	<u>1060</u>
P16 _____		<u>45</u>	<u>1058</u>			<u>45</u>	<u>1060</u>
P17 _____						<u>48</u>	<u>1059</u>
P18 _____						<u>51</u>	<u>1059</u>
P19 _____						<u>54</u>	<u>1058</u>
P20 _____						<u>57</u>	<u>1058</u>
						<u>60</u>	<u>1058</u>