



P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 23275

Formation Tackio Elevation 3880 K.B. Eff. Pay Ft.

District Great Bend, KS Date 12-10-77 Customer Order No.

COMPANY NAME Ex. 10 O.I. Co. Inc.
ADDRESS 520 CITY PLAZA WEST 5310 E 31 THIRDA ST. 674135
LEASE AND WELL NO. KANE #1 COUNTY KIOWA STATE KANSAS Sec. 6 Twp. 50S Rge. 17W
Mail Inv. To Same As Above No. Copies Requested 5
Co. Name Address
Mail Charts To No. Copies Requested 5
Address

Formation Test No. 1 O.K. — Misrun 4 Interval Tested From 3325' to 3360' Total Depth 3360'
Size Main Hole 7 7/8 Rat Hole — Conv. — B.T. 4 Damaged — Yes 4 No Conv. 4 B.T. — Damaged — Yes 4 No
Top Packer Depth 3320 Ft. Size 6 3/4 Bottom Packer Depth 3325 Ft. Size 6 3/4
Straddle — Conv. — B.T. — Damaged — Yes — No Packer Depth — Ft. Size —
Tool Size 5500 Tool Joint Size 4 1/2 Anchor Length 35 Ft. Size 5500 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3352 Ft. Clock No. 8476 Inside
Top Make Kuster Cap. 3000 No. 3474 Outside
Below Straddle: Depth — Rec. No. — Clock No. — Inside
Depth — Ft. Rec. No. — Clock No. — Outside

Time Set Packer 8.43 A M
Tool Open I.F.P. From 8.45 A M. to 9.00 M. — Hr. 15 Min. From (B) 92 P.S.I. To (C) 123 P.S.I.
Tool Closed I.C.I.P. From 9.00 M. to 9.30 M. — Hr. 30 Min. (D) 1676 P.S.I.
Tool Open F.F.P. From 9.30 M. to 10.30 M. — Hr. 60 Min. From (E) 123 P.S.I. To (F) 161 P.S.I.
Tool Closed F.C.I.P. From 10.30 M. to 11.00 M. — Hr. 30 Min. (G) 1281 P.S.I.
Initial Hydrostatic Pressure (A) 1762 P.S.I. Final Hydrostatic Pressure (H) 1737 P.S.I. Maximum Temp. 99

INFORMATION
BLOW Weak Increased To Fair By End of 1st F.P. Fair Decreased To 1" Blow By End of 2nd Opening final flow period
Did Well Flow — Yes 4 No Recovery Total Ft. 160' D.Lg Muff

Reversed Out — Yes 4 No Mud Type Starch Viscosity 36 Weight 9.5 Water Loss 8.8 cc. Chlorides 76,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 3/4 In. Make WTC Ser. No. 410
Dual Packers yes Did Packers Hold? yes Did Tool Plug? Some Where? Flow Period
DRILLING CONTRACTOR Searchlight Co Rig 1 Length Drill Pipe 3293 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.
Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars — ft. I.D. Drill Collars — In.
Tool Joint Size — In. Length D.S.T. Tool 67 ft.

Remarks Pressure May Be Inaccurate
Tool Plugged Off After
Because of plugging the pressure are not
true.

COMPANY TERMS
Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION	
Open Hole Test	\$ <u>200.00</u>
Straddle Test	\$ <u> </u>
Jars	\$ <u>225.00</u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u>35.00</u>
Misrun	\$ <u>200.00</u>
Evaluation	\$ <u> </u>
Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Total	\$ <u>460.00</u>

Test Approved By Royce Dinit Western Representative Donis Wonda
Signature of Customer or his Authorized Representative Operator's Time Thank you Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-10-77 Test Ticket No. 23275
 Recorder No. 3474 Capacity 3000 Location 3352 Ft.
 Clock No. 8476 Elevation 2080 Kelly Bushing Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1761</u> P.S.I.	Open Tool	<u>8:43A</u> M	
B First Initial Flow Pressure	<u>91</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>123</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1680</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>130</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>162</u> P.S.I.			
G Final Closed-in Pressure	<u>1261</u> P.S.I.			
H Final Hydrostatic Mud	<u>1755</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 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: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 11 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>91</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>130</u>	<u>0</u>	<u>162</u>
P 2 <u>5</u>	<u>Plugging Action</u>	<u>3</u>	<u>1629</u>	<u>5</u>	<u>Plugging Action</u>	<u>3</u>	<u>306</u>
P 3 <u>10</u>	<u>" "</u>	<u>6</u>	<u>1645</u>	<u>10</u>	<u>↓</u>	<u>6</u>	<u>1632</u>
P 4 <u>15</u>	<u>123</u>	<u>9</u>	<u>1660</u>	<u>15</u>	<u>↓</u>	<u>9</u>	<u>744</u>
P 5 <u>20</u>		<u>12</u>	<u>1669</u>	<u>20</u>	<u>↓</u>	<u>12</u>	<u>826</u>
P 6 <u>25</u>		<u>15</u>	<u>1674</u>	<u>25</u>	<u>159</u>	<u>15</u>	<u>920</u>
P 7 <u>30</u>		<u>18</u>	<u>1677</u>	<u>30</u>	<u>165</u>	<u>18</u>	<u>977</u>
P 8 <u>35</u>		<u>21</u>	<u>1680</u>	<u>35</u>	<u>300</u>	<u>21</u>	<u>1047</u>
P 9 <u>40</u>		<u>24</u>	<u>1681</u>	<u>40</u>	<u>415</u>	<u>24</u>	<u>1089</u>
P10 <u>45</u>		<u>27</u>	<u>1681</u>	<u>45</u>	<u>500</u>	<u>27</u>	<u>1165</u>
P11 <u>50</u>		<u>30</u>	<u>1680</u>	<u>50</u>	<u>582</u>	<u>30</u>	<u>1198</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>	<u>688</u>	<u>33</u>	<u>1261</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>	<u>162</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>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Exito Oil Co., Inc. Lease & Well No. Kane #1
Elevation 3080 Kelly Bush. Formation Tarkio Effective Pay - Ft. Ticket No. 23275
Date 12-10-77 Sec. 6 Twp. 30S Range 17W County Kiowa State Kansas
Test Approved by Ray W. Dimit Western Representative Denis Wondra
Formation Test No. 1 O.K. - Misrun X Interval Tested From 3325' to 3360' Total Depth 3360'
Size Main Hole 7-7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 3320 Ft. Size 6-3/4 Bottom Packer Depth 3325 Ft. Size 6-3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 35 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3352 Ft. Clock No. 8476 Depth 3355 Ft. Clock No. 9725
Top Make Kuster Cap. 3000 No. 3474 Inside Outside Bottom Make Kuster Cap. 4000 No. 3659 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 8:43 A M
Tool Open I.F.P. From 8:45 M. to 9:00 M. - Hr. 15 Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From 9:00 M. to 9:30 M. - Hr. 30 Min (D) - P.S.I.
Tool Open F.F.P. From 9:30 M. to 10:30 M. - Hr. 60 Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From 10:30 M. to 11:00 M. - Hr. 30 Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. 99°

INFORMATION

BLOW Weak Increased to Fair by end of Initial Flow Period. Fair Decreased to 1" blow by
end of Final Flow Period.

Did Well Flow - Yes X No Recovery Total Fr. 160' Drilling Mud.

Reversed Out - Yes X No Mud Type Starch Viscosity 36 Weight 9.5 Water Loss 8.8 cc. Chlorides 76,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes Jars: Size 4-3/4 In. Make W.T.C. Ser. No. 410

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? Some Where? Flow Period

DRILLING CONTRACTOR Search Drlg. Co. Rig. #1 Length Drill Pipe? 3293 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 67 Ft.

Remarks:

Tool Plugged.

Because of plugging the pressures are not true.

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Pressure Data

Date 12-10-77 Test Ticket No. 23275
 Recorder No. 3474 Capacity 3000 Location 3352 Ft.
 Clock No. 8476 Elevation 2080 Kelly Bushing Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1761</u> P.S.I.	Open Tool	<u>8:43A</u> M	
B First Initial Flow Pressure	<u>91</u> P.S.I.	First Flow Pressure	<u>15</u> Mins	<u>15</u> Mins.
C First Final Flow Pressure	<u>123</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1680</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>130</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>33</u> Mins.
F Second Final Flow Pressure	<u>162</u> P.S.I.			
G Final Closed-in Pressure	<u>1261</u> P.S.I.			
H Final Hydrostatic Mud	<u>1755</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>11</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>91</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>130</u>	<u>0</u>	<u>162</u>
P 2 <u>5</u> plugging action		<u>3</u>	<u>1629</u>	<u>5</u> plugging action		<u>3</u>	<u>306</u>
P 3 <u>10</u> plugging action		<u>6</u>	<u>1645</u>	<u>10</u> plugging action		<u>6</u>	<u>632</u>
P 4 <u>15</u>	<u>123</u>	<u>9</u>	<u>1660</u>	<u>15</u> plugging action		<u>9</u>	<u>744</u>
P 5		<u>12</u>	<u>1669</u>	<u>20</u> plugging action		<u>12</u>	<u>826</u>
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P 8		<u>21</u>	<u>1680</u>	<u>35</u>	<u>300</u>	<u>21</u>	<u>1047</u>
P 9		<u>24</u>	<u>1681</u>	<u>40</u>	<u>415</u>	<u>24</u>	<u>1089</u>
P10		<u>27</u>	<u>1681</u>	<u>45</u>	<u>500</u>	<u>27</u>	<u>1165</u>
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P12				<u>55</u>	<u>688</u>	<u>33</u>	<u>1261</u>
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