



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 7818

Elevation 1428 KB Formation Pennsylvanian Sand Eff. Pay Ft.
Kelly Bushing

District Augusta Date 10-11-80 Customer Order No.
COMPANY NAME Range Oil Co. Inc.
ADDRESS 240 Base Ct. 220 W Douglas Wichita, Ks. 67202
LEASE AND WELL NO. #2 L. Smith COUNTY Butler STATE Kans. Sec. 4 Twp. 24S Rge. 5E
Mail Invoice To Same No. Copies Requested 1
Co. Name Same Address
Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested from 2410 ft. to 2418 ft. Total Depth 2418 ft.
Packer Depth 2405 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2410 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 2400 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 2412 ft. Recorder Number 10980 Cap. 4200
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Range Drilling Rig #1 Drill Collar Length 90 I. D. 2 1/4 in.
Mud Type Chem Viscosity 49 Weight Pipe Length I. D. in.
Weight 9.3 Water Loss 12.0 cc. Drill Pipe Length 2316 I. D. 3.8 in.
Chlorides 1300 P.P.M. Test Tool Length 23 ft. Tool Size OD. 4 1/2 in.
Jars: Make NO Serial Number Anchor Length 8 ft. Size OD. 4 1/2 in.
Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak then out test

Recovered 65 ft. of Muddy water Slight Rain bottom top of tool
Recovered ft. of & oil spots.
Recovered ft. of
Recovered ft. of Chlorides 1800
Recovered ft. of

Remarks:

Time On Location 4:00 A.M. Time Pick Up Tool 4:30 A.M. Time Off Location STBY 11:30 A.M.
Time Set Packer(s) 6:00 A.M. Time Started Off Bottom 9:30 A.M. Maximum Temperature 94
Initial Hydrostatic Pressure (A) 1181 P.S.I.
Initial Flow Period 30 Minutes (B) 4 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period 30 Minutes (D) 654 P.S.I.
Final Flow Period 90 Minutes (E) 31 P.S.I. to (F) 42 P.S.I.
Final Closed In Period 60 Minutes (G) 559 P.S.I.
Final Hydrostatic Pressure (H) 1191 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 Robert Olsen
Signature of Customer or his authorized representative

Western Representative Allen Edgington

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
34 Mileage \$ 28.50
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 578.50

WESTERN TESTING CO., INC.

Pressure Data

Date 11-11 Recorder No. 3354 Capacity 4200 Test Ticket No. 7818
 Clock No. 1428 Elevation KB Location 2400 Ft. Well Temperature 94 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1222</u> P.S.I.	<u>6:00</u> AM	
B First Initial Flow Pressure	<u>8</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>656</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>36</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>44</u> P.S.I.		
G Final Closed-in Pressure	<u>570</u> P.S.I.		
H Final Hydrostatic Mud	<u>1207</u> P.S.I.		

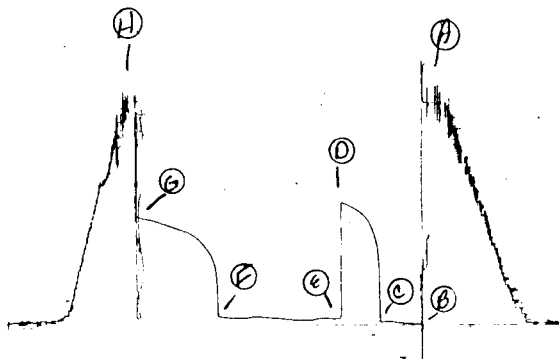
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>18</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 0	<u>8</u>	0	<u>21</u>	0	<u>36</u>	0	<u>44</u>
P 2 5	<u>10</u>	3	<u>405</u>	5	<u>36</u>	3	<u>304</u>
P 3 10	<u>12</u>	6	<u>481</u>	10	<u>36</u>	6	<u>365</u>
P 4 15	<u>14</u>	9	<u>536</u>	15	<u>36</u>	9	<u>397</u>
P 5 20	<u>14</u>	12	<u>574</u>	20	<u>32</u>	12	<u>426</u>
P 6 25	<u>20 21</u>	15	<u>597</u>	25	<u>31</u>	15	<u>451</u>
P 7 30	<u>20 21</u>	18	<u>614</u>	30	<u>31</u>	18	<u>470</u>
P 8 35		21	<u>627</u>	35	<u>31</u>	21	<u>485</u>
P 9 40		24	<u>639</u>	40	<u>34</u>	24	<u>496</u>
P10 45		27	<u>648</u>	45	<u>38</u>	27	<u>501</u>
P11 50		30	<u>656</u>	50	<u>41</u>	30	<u>508</u>
P12 55		33		55	<u>43</u>	33	<u>517</u>
P13 60		36		60	<u>45</u>	36	<u>525</u>
P14		39		65	<u>43</u>	39	<u>532</u>
P15		42		70	<u>38</u>	42	<u>538</u>
P16		45		75	<u>38</u>	45	<u>544</u>
P17		48		80	<u>38</u>	48	<u>553</u>
P18		51		85	<u>40</u>	51	<u>559</u>
P19		54		90	<u>44</u>	54	<u>561</u>
P20		57				57	<u>565</u>
		60				60	<u>570</u>

JKt # 7818

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77-14



Company Range Oil Company, Inc. Lease & Well No. L. Smith #2
Elevation 1428 Kelly Bushing Pennsylvanian Sand Effective Pay - Ft. Ticket No. 7818
Date 11/11/80 Sec. 4 Twp. 24S Range 5E County Butler State Kansas
Test Approved by Robert Olsen Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 2410 ft. to 2418 ft. Total Depth 2418 ft.
Packer Depth 2405 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2410 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 2400 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 2412 ft. Recorder Number 10980 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Drilling Rig #1 Drill Collar Length 90 D. 2 1/4 in.
Mud Type chemical Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 12.0 cc. Drill Pipe Length 23 1/6 D. 3.8 in.
Chlorides 1,300 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 8 ft. Size 4 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 XH in.

Blow: Weak blow throughout test.

Recovered 65 ft. of muddy water slight rainblow of oil on top of tool,
Recovered - ft. of - and oil spots.

Recovered - ft. of -
Recovered - ft. of Chlorides 1,800 ppm

Remarks: -

Time Set Packer(s) 6:00 A.M. Time Started Off Bottom 9:30 A.M. Maximum Temperature 94°
Initial Hydrostatic Pressure 1222 P.S.I.
Initial Flow Period 30 Minutes (B) 8 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period 30 Minutes (D) 656 P.S.I.
Final Flow Period 90 Minutes (E) 36 P.S.I. to (F) 44 P.S.I.
Final Closed In Period 60 Minutes (G) 570 P.S.I.
Final Hydrostatic Pressure 1207 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 11/11/80 Test Ticket No. 7818
 Recorder No. 3354 Capacity 4200 Location 2400 Ft.
 Clock No. -- Elevation 1428 Kelly Bushing Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1222	P.S.I.	6:00A	M
B First Initial Flow Pressure	8	P.S.I.	30	Mins.
C First Final Flow Pressure	21	P.S.I.	30	Mins.
D Initial Closed-in Pressure	656	P.S.I.	90	Mins.
E Second Initial Flow Pressure	36	P.S.I.	60	Mins.
F Second Final Flow Pressure	44	P.S.I.		
G Final Closed-in Pressure	570	P.S.I.		
H Final Hydrostatic Mud	1207	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>18</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>8</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>405</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>304</u>
P 3 <u>10</u>	<u>12</u>	<u>6</u>	<u>481</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>365</u>
P 4 <u>15</u>	<u>14</u>	<u>9</u>	<u>536</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>397</u>
P 5 <u>20</u>	<u>14</u>	<u>12</u>	<u>574</u>	<u>20</u>	<u>32</u>	<u>12</u>	<u>426</u>
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>597</u>	<u>25</u>	<u>31</u>	<u>15</u>	<u>451</u>
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>614</u>	<u>30</u>	<u>31</u>	<u>18</u>	<u>470</u>
P 8		<u>21</u>	<u>627</u>	<u>35</u>	<u>31</u>	<u>21</u>	<u>485</u>
P 9		<u>24</u>	<u>639</u>	<u>40</u>	<u>34</u>	<u>24</u>	<u>496</u>
P10		<u>27</u>	<u>648</u>	<u>45</u>	<u>38</u>	<u>27</u>	<u>501</u>
P11		<u>30</u>	<u>656</u>	<u>50</u>	<u>41</u>	<u>30</u>	<u>508</u>
P12				<u>55</u>	<u>43</u>	<u>33</u>	<u>517</u>
P13				<u>60</u>	<u>45</u>	<u>36</u>	<u>525</u>
P14				<u>65</u>	<u>43</u>	<u>39</u>	<u>532</u>
P15				<u>70</u>	<u>38</u>	<u>42</u>	<u>538</u>
P16				<u>75</u>	<u>38</u>	<u>45</u>	<u>544</u>
P17				<u>80</u>	<u>38</u>	<u>48</u>	<u>553</u>
P18				<u>85</u>	<u>40</u>	<u>51</u>	<u>559</u>
P19				<u>90</u>	<u>44</u>	<u>54</u>	<u>561</u>
P20						<u>57</u>	<u>565</u>
						<u>60</u>	<u>570</u>



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 7819

Kelly Bushing

Elevation 1428 KB Formation Miss. Chart Eff. Pay Ft.

District Augusta

Date 11-11-80

Customer Order No.

COMPANY NAME Range Oil Co. Inc.

ADDRESS 240 Page Ct 220 W Douglas Wichita, Ks. 67202

LEASE AND WELL NO. #2 L. Smith COUNTY Butler STATE Kansas Sec. 4 Twp 24S Rge 5E

Mail Invoice To Same No. Copies Requested 1

Co. Name

Address

Mail Charts To Same No. Copies Requested 5

Address

Formation Test No. 2 Interval Tested from 2423 ft. to 2431 ft. Total Depth 2431 ft.

Packer Depth 2418 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2423 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) A.R. 2411 ft.

Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 2425 ft.

Recorder Number 10980 Cap. 4200

Below Straddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor Range Drill Rig #1

Drill Collar Length 90 I. D. 2 1/4 in.

Mud Type Chem Viscosity 500

Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 12 cc.

Drill Pipe Length 2316 I. D. 3.8 in.

Chlorides 1300 P.P.M.

Test Tool Length 23 ft. Tool Size 00. 4 1/2 in.

Jars: Make NO Serial Number -

Anchor Length 8 ft. Size 00. 4 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 XH in.

Blow: weak blow for 2 min

Recovered ft. of NO Recovery

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 1:30 P.M. 5:00 P.M.

Time Pick Up Tool 5:30 P.M.

Time Off Location A.M. P.M.

Time Set Packer(s) 7:00 P.M.

Time Started Off Bottom 9:30 P.M.

Maximum Temperature 93

Initial Hydrostatic Pressure (A) 1213 P.S.I.

Initial Flow Period Minutes 30 (B) 21 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period Minutes 30 (D) 42 P.S.I.

Final Flow Period Minutes 30 (E) 21 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 60 (G) 432 P.S.I.

Final Hydrostatic Pressure (H) 1181 P.S.I.

COMPANY TERMS

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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 R. L. Olsen

Signature of Customer or his authorized representative

Western Representative Allen

FIELD INVOICE

Open Hole Test \$ 550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

Insurance \$

TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 11-11 Recorder No. 3354 Capacity 4200 Test Ticket No. 7819
 Clock No. Elevation 1428 KB Location 2411 Ft.
 Well Temperature 93 °F

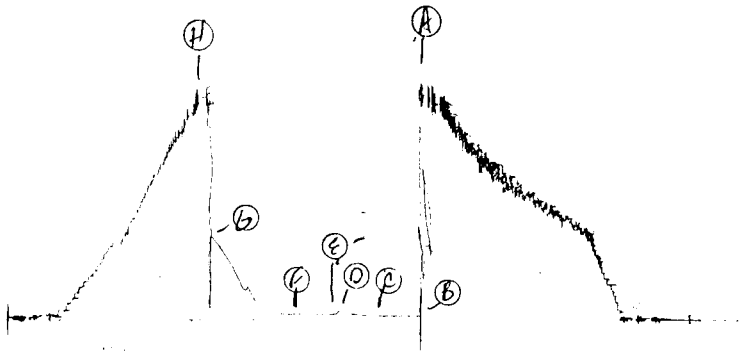
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1215</u> P.S.I.	<u>7:00</u> P _M	
B First Initial Flow Pressure	<u>23</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>49</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>33</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>36</u> P.S.I.		
G Final Closed-in Pressure	<u>449</u> P.S.I.		
H Final Hydrostatic Mud	<u>1200</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>60</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>0</u>	<u>23</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>36</u>
P 2	<u>5</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>36</u>
P 3	<u>10</u>	<u>6</u>	<u>25</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>36</u>
P 4	<u>15</u>	<u>9</u>	<u>27</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>36</u>
P 5	<u>20</u>	<u>12</u>	<u>29</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>40</u>
P 6	<u>25</u>	<u>15</u>	<u>30</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>41</u>
P 7	<u>30</u>	<u>18</u>	<u>32</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>43</u>
P 8	<u>35</u>	<u>21</u>	<u>34</u>	<u>35</u>		<u>21</u>	<u>53</u>
P 9	<u>40</u>	<u>24</u>	<u>39</u>	<u>40</u>		<u>24</u>	<u>63</u>
P10	<u>45</u>	<u>27</u>	<u>43</u>	<u>45</u>		<u>27</u>	<u>77</u>
P11	<u>50</u>	<u>30</u>	<u>49</u>	<u>50</u>		<u>30</u>	<u>105</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	<u>148</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	<u>167</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>177</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>226</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>270</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>308</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>344</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>380</u>
P20		<u>57</u>				<u>57</u>	<u>409</u>
		<u>60</u>				<u>60</u>	<u>449</u>

JK # 7819
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3354



Range Oil Company, Inc.

L. Smith #2

Company _____ Lease & Well No. _____

Elevation 1428 Kelly Bushing Mississippi Chart Effective Pay -- Ft. Ticket No. 7819Date 11/11/80 Sec. 4 Twp. 24S Range 5E County Butler State KansasTest Approved by Robert Olsen Western Representative Allen EdgingtonFormation Test No. 2 Interval Tested from 2423 ft. to 2431 ft. Total Depth 2431 ft.Packer Depth 2418 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Packer Depth 2423 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Depth of Selective Zone Set -Top Recorder Depth (Inside) 2411 ft. Recorder Number 3354 Cap. 4200Bottom Recorder Depth (Outside) 2425 ft. Recorder Number 10980 Cap. 4200Below Straddle Recorder Depth - ft. Recorder Number - Cap. -Drilling Contractor Rnage Drilling Rig #1 Drill Collar Length 90 I. D. 2 1/4 in.Mud Type chemical Viscosity 50 Weight Pipe Length - I. D. - in.Weight 9.5 Water Loss 12.0 cc. Drill Pipe Length 2316 I. D. 3.8 in.Chlorides 1,300 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 OD in.Jars: Make No Serial Number 0 Anchor Length 8 ft. Size 4 1/2 OD 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 1 1/2 in.Blow: Weak blow for eight minutes.Recovered NO RECOVERY ft. ofRecovered NO RECOVERY ft. ofRecovered NO RECOVERY ft. ofRecovered NO RECOVERY ft. ofRecovered NO RECOVERY ft. of

Remarks: _____

Time Set Packer(s) 7:00 ~~AM~~ P.M. Time Started Off Bottom 9:30 ~~AM~~ P.M. Maximum Temperature 93°Initial Hydrostatic Pressure 30 (A) 1215 P.S.I.Initial Flow Period 30 Minutes (B) 23 P.S.I. to (C) 23 P.S.I.Initial Closed In Period 30 Minutes (D) 49 P.S.I.Final Flow Period 60 Minutes (E) 33 P.S.I. to (F) 36 P.S.I.Final Closed In Period 60 Minutes (G) 449 P.S.I.Final Hydrostatic Pressure 1200 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/11/80 Test Ticket No. 7819
 Recorder No. 3354 Capacity 4200 Location 2411 Ft.
 Clock No. - Elevation 1428 Kelly Bushing Well Temperature 93 °F
 Point Pressure
 A Initial Hydrostatic Mud 1215 P.S.I. Open Tool
 B First Initial Flow Pressure 23 P.S.I. First Flow Pressure
 C First Final Flow Pressure 23 P.S.I. Initial Closed-in Pressure
 D Initial Closed-in Pressure 49 P.S.I. Second Flow Pressure
 E Second Initial Flow Pressure 33 P.S.I. Final Closed-in Pressure
 F Second Final Flow Pressure 36 P.S.I.
 G Final Closed-in Pressure 449 P.S.I.
 H Final Hydrostatic Mud 1200 P.S.I.

Time Given Time Computed
 7:00P M
 30 Mins. 30 Mins.
 30 Mins. 30 Mins.
 30 Mins. 30 Mins.
 60 Mins. 60 Mins.

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>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</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>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>36</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>36</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>25</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>36</u>
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>27</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>36</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>29</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>40</u>
P 6 <u>25</u>	<u>23</u>	<u>15</u>	<u>30</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>41</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>32</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>43</u>
P 8		<u>21</u>	<u>34</u>			<u>21</u>	<u>53</u>
P 9		<u>24</u>	<u>39</u>			<u>24</u>	<u>63</u>
P10		<u>27</u>	<u>43</u>			<u>27</u>	<u>77</u>
P11		<u>30</u>	<u>49</u>			<u>30</u>	<u>105</u>
P12						<u>33</u>	<u>148</u>
P13						<u>36</u>	<u>167</u>
P14						<u>39</u>	<u>177</u>
P15						<u>42</u>	<u>226</u>
P16						<u>45</u>	<u>270</u>
P17						<u>48</u>	<u>308</u>
P18						<u>51</u>	<u>344</u>
P19						<u>54</u>	<u>380</u>
P20						<u>57</u>	<u>409</u>
						<u>60</u>	<u>449</u>