



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8069

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

Elevation 1112 KB Formation Bartlesville Eff. Pay ~ Ft.

District Augusta Date 4-4-81 Customer Order No. ~

COMPANY NAME Range Oil Co. Inc.

ADDRESS 240 Page Court 220 W Douglas Wichita, Ks 67202

LEASE AND WELL NO. Donley #1 COUNTY Sumner STATE KS Sec 24 Twp 33 S Rge 2 E

Mail Invoice To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3251 ft. to 3265 ft. Total Depth 3265 ft.

Packer Depth 3251 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Packer Depth 3246 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Depth of Selective Zone Set ~

Top Recorder Depth (Inside) 3258 ft. Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 3261 ft. Recorder Number 1559 Cap. 4200

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

Drilling Contractor Range Oil Co. #3 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type Chem Viscosity 44 Weight Pipe Length ~ I. D. ~ in.

Weight 9.6 Water Loss 13.2 cc. Drill Pipe Length 3111 I. D. 3.8 in.

Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make ~ Serial Number ~ Anchor Length 14 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 1/8 in. Tool Joint Size 4 1/2 x 1 1/4 in.

Blow: 21 each 20 minutes

Recovered 30 ft. of Drilling mud w/ slight show of oil 3% oil 97% mud

Recovered ~ ft. of ~

Recovered ~ ft. of ~

Recovered ~ ft. of ~

Recovered ~ ft. of ~

Remarks:

Time On Location 6:00 AM 4-4 P.M. Time Pick Up Tool 8:00 A.M.

Time Set Packer(s) 9:45 A.M. Time Started Off Bottom 12:15 P.M.

Initial Hydrostatic Pressure ~ (A) 1625 P.S.I. Maximum Temperature 116

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

Initial Closed In Period ~ Minutes 30 (D) 350 P.S.I.

Final Flow Period ~ Minutes 30 (E) 50 P.S.I. to (F) 50 P.S.I.

Final Closed In Period ~ Minutes 60 (G) 560 P.S.I.

Final Hydrostatic Pressure ~ (H) 1615 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 Norman Allen

FIELD INVOICE

Open Hole Test \$ 625.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
46 Mileage \$ 34.50
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 659.50

WESTERN TESTING CO., INC.

Pressure Data

Date 4-4 Recorder No. 13268 Capacity 4225 Test Ticket No. 8069
 Clock No. 1112 KB Elevation 1112 KB Location 3258 Ft. Well Temperature 116 °F

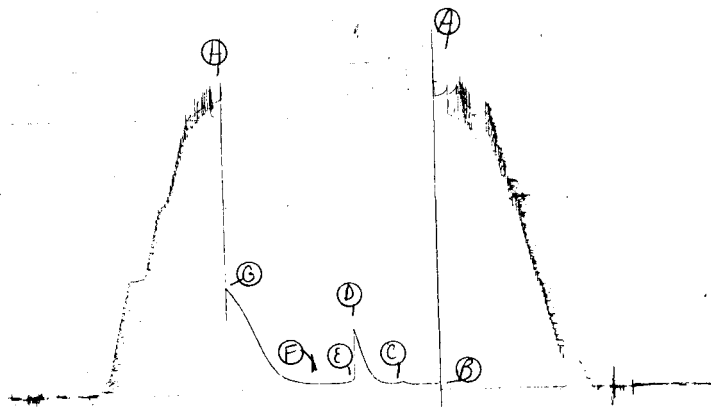
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1625</u> P.S.I.	<u>9:45 A</u>	
B First Initial Flow Pressure	<u>41</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>48</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>348</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>53</u> P.S.I.		
G Final Closed-in Pressure	<u>583</u> P.S.I.		
H Final Hydrostatic Mud	<u>1615</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>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>21</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>41</u>	0	<u>48</u>	0	<u>73</u>	0	<u>53</u>
P 2	<u>50</u>	3	<u>47</u>	5	<u>58</u>	3	<u>53</u>
P 3	<u>50</u>	6	<u>46</u>	10	<u>53</u>	6	<u>56</u>
P 4	<u>38</u>	9	<u>49</u>	15	<u>52</u>	9	<u>60</u>
P 5	<u>38</u>	12	<u>55</u>	20	<u>52</u>	12	<u>64</u>
P 6	<u>48</u>	15	<u>64</u>	25	<u>52</u>	15	<u>71</u>
P 7	<u>48</u>	18	<u>79</u>	30	<u>53</u>	18	<u>77</u>
P 8		21	<u>107</u>	35		21	<u>85</u>
P 9		24	<u>154</u>	40		24	<u>98</u>
P10		27	<u>222</u>	45		27	<u>115</u>
P11		30	<u>293</u>	50		30	<u>141</u>
P12		33	<u>348</u>	55		33	<u>173</u>
P13		36		60		36	<u>212</u>
P14		39		65		39	<u>261</u>
P15		42		70		42	<u>303</u>
P16		45		75		45	<u>357</u>
P17		48		80		48	<u>408</u>
P18		51		85		51	<u>451</u>
P19		54		90		54	<u>491</u>
P20		57				57	<u>526</u>
		60				60	<u>557</u>

63 583

TRT # 8067
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8067

Company Range Oil Company, Inc. Lease & Well No. Donley #1
Elevation 1112 Kelly Bushing Bartlesville Effective Pay - Ft. Ticket No. 8069
Date 4/4/81 Sec. 24 Twp. 33S Range 2E County Sumner State Kansas
Test Approved by Robert Olsen Western Representative Norman Allen

Formation Test No. 1 Interval Tested from 3251 ft. to 3265 ft. Total Depth 3265 ft.

Packer Depth 3251 ft. Size 6 3/4 Packer Depth - ft. Size - in.

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Depth of Selective Zone Set -

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

Drilling Contractor Range Drilling Co. Rig #3 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type chemical Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 13.2 cc. Drill Pipe Length 3111 I. D. 3.8 in.

Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 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 XH in.

Blow: Weak twenty minutes.

Recovered 30 ft. of drilling mud with slight show of oil 3% oil; 97% mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 9:45 A.M. Time Started Off Bottom 12:15 P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure (A) 1625 P.S.I.

Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period Minutes 33 (D) 348 P.S.I.

Final Flow Period Minutes 30 (E) 73 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 63 (G) 583 P.S.I.

Final Hydrostatic Pressure (H) 1615 P.S.I.

WESTERN TESTING CO., INC. Pressure Data

Date 4/4/81
Recorder No. 13268 Capacity 4225 Test Ticket No. 8069
Clock No. - Elevation 1112 Kelly Bushing Location 3258 Ft. 116
Well Temperature 116 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1625 P.S.I.	9:45A M	
B First Initial Flow Pressure	41 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	48 P.S.I.	30 Mins.	33 Mins.
D Initial Closed-in Pressure	348 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	73 P.S.I.	60 Mins.	63 Mins.
F Second Final Flow Pressure	53 P.S.I.		
G Final Closed-in Pressure	583 P.S.I.		
H Final Hydrostatic Mud	1615 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>11</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>21</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>41</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>53</u>
P 2 <u>5</u>	<u>50</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>58</u>	<u>3</u>	<u>53</u>
P 3 <u>10</u>	<u>50</u>	<u>6</u>	<u>46</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>56</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>49</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>60</u>
P 5 <u>20</u>	<u>38</u>	<u>12</u>	<u>55</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>64</u>
P 6 <u>25</u>	<u>48</u>	<u>15</u>	<u>64</u>	<u>25</u>	<u>52</u>	<u>15</u>	<u>71</u>
P 7 <u>30</u>	<u>48</u>	<u>18</u>	<u>79</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>77</u>
P 8		<u>21</u>	<u>107</u>			<u>21</u>	<u>85</u>
P 9		<u>24</u>	<u>154</u>			<u>24</u>	<u>98</u>
P10		<u>27</u>	<u>222</u>			<u>27</u>	<u>115</u>
P11		<u>30</u>	<u>293</u>			<u>30</u>	<u>141</u>
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P20						<u>57</u>	<u>526</u>
						<u>60</u>	<u>557</u>
						<u>63</u>	<u>583</u>