

WESTERN TESTING CO., INC. *Called OK*
FORMATION TESTINGTICKET N^o 18466P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation 1385 61 Formation Mogucata Eff. Pay — Ft.District GT. Bend Date 10-11-83 Customer Order No. —COMPANY NAME Range Oil Company, Inc.ADDRESS 220 West Douglas 240 Page Court Wichita, KS, 672LEASE AND WELL NO. Wells "A" #2 COUNTY Saline STATE KS. Sec. 22 Twp. 16 Rge. 3Mail Invoice To #2 "A" WELLS SAME Co. Name Address No. Copies Requested 5Mail Charts To SAME Address No. Copies Requested 5Formation Test No. 1 Interval Tested From 3372 ft. to 3379 ft. Total Depth 3379 ft.Packer Depth 3367 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.Packer Depth 3372 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.Depth of Selective Zone Set —Top Recorder Depth (Inside) 3389 ft. Recorder Number 1560 Cap. 4500Bottom Recorder Depth (Outside) 3362 ft. Recorder Number 3085 Cap. 4500Below Straddle Recorder Depth — ft. Recorder Number — Cap. —Drilling Contractor Range drlg rig 1 Drill Collar Length 150 I. D. 2.2 in.Mud Type Chemical Viscosity 46 Weight Pipe Length — I. D. — in.Weight 9.9 Water Loss 12.8 cc. Drill Pipe Length 3194 I. D. 3.8 in.Chlorides 2000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.Jars: Make — Serial Number — Anchor Length 7 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 in.Blow: IF - Decreasing Weak Blow 2" To 4" BlowFF - No BlowRecovered 5 ft. of MudRecovered — ft. of —Recovered — ft. of —Recovered — ft. of —Recovered — ft. of —Remarks: —RECEIVED
OCT 14 1983Time On Location 11:30 A.M. Time Pick Up Tool 12:40 A.M. Time Off Location 6:30 A.M.Time Set Packer(s) 2:00 P.M. Time Started Off Bottom 4:00 P.M. Maximum Temperature 104°Initial Hydrostatic Pressure (A) 1894 P.S.I.Initial Flow Period (B) 30 Minutes (B) 69 P.S.I. to (C) 69 P.S.I.Initial Closed In Period (D) 30 Minutes (D) 69 P.S.I.Final Flow Period (E) 30 Minutes (E) 69 P.S.I. to (F) 69 P.S.I.Final Closed In Period (G) 30 Minutes (G) 69 P.S.I.Final Hydrostatic Pressure (H) 1894 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 representativeWestern Representative Ray Schwagerl Thank you

FIELD INVOICE

Open Hole Test	\$ <u>550.00</u>
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$ <u>550.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 10-11 Test Ticket No. 18466
 Recorder No. 1560 Capacity 4500 Location 3359 Ft
 Clock No. --- Elevation 1385 AL Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1772</u>	P.S.I.	<u>2:00</u> P	<u>M</u>
B First Initial Flow Pressure	<u>75</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>75</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>80</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>74</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>74</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>81</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1756</u>	P.S.I.		

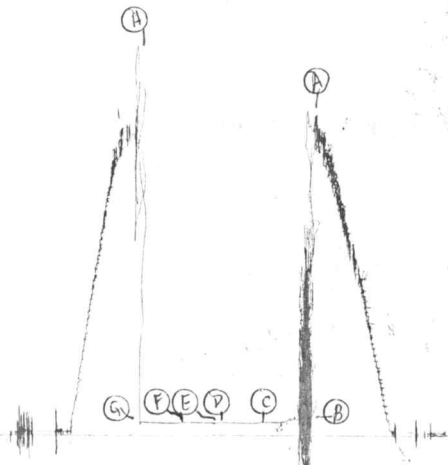
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>7</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>75</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>74</u>
P 2 <u>5</u>	<u>(</u>	<u>3</u>	<u>(</u>	<u>5</u>	<u>(</u>	<u>3</u>	<u>(</u>
P 3 <u>10</u>	<u>(</u>	<u>6</u>	<u>(</u>	<u>10</u>	<u>(</u>	<u>6</u>	<u>(</u>
P 4 <u>15</u>	<u>(</u>	<u>9</u>	<u>(</u>	<u>15</u>	<u>(</u>	<u>9</u>	<u>74</u>
P 5 <u>20</u>	<u>(</u>	<u>12</u>	<u>75</u>	<u>20</u>	<u>(</u>	<u>12</u>	<u>75</u>
P 6 <u>25</u>	<u>(</u>	<u>15</u>	<u>76</u>	<u>25</u>	<u>(</u>	<u>15</u>	<u>76</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>77</u>	<u>30</u>	<u>74</u>	<u>18</u>	<u>77</u>
P 8 <u>35</u>	<u>(</u>	<u>21</u>	<u>78</u>	<u>35</u>	<u>(</u>	<u>21</u>	<u>78</u>
P 9 <u>40</u>	<u>(</u>	<u>24</u>	<u>79</u>	<u>40</u>	<u>(</u>	<u>24</u>	<u>79</u>
P10 <u>45</u>	<u>(</u>	<u>27</u>	<u>80</u>	<u>45</u>	<u>(</u>	<u>27</u>	<u>80</u>
P11 <u>50</u>	<u>(</u>	<u>30</u>	<u>80</u>	<u>50</u>	<u>(</u>	<u>30</u>	<u>81</u>
P12 <u>55</u>	<u>(</u>	<u>33</u>	<u>(</u>	<u>55</u>	<u>(</u>	<u>33</u>	<u>(</u>
P13 <u>60</u>	<u>(</u>	<u>36</u>	<u>(</u>	<u>60</u>	<u>(</u>	<u>36</u>	<u>(</u>
P14 <u>(</u>	<u>(</u>	<u>39</u>	<u>(</u>	<u>65</u>	<u>(</u>	<u>39</u>	<u>(</u>
P15 <u>(</u>	<u>(</u>	<u>42</u>	<u>(</u>	<u>70</u>	<u>(</u>	<u>42</u>	<u>(</u>
P16 <u>(</u>	<u>(</u>	<u>45</u>	<u>(</u>	<u>75</u>	<u>(</u>	<u>45</u>	<u>(</u>
P17 <u>(</u>	<u>(</u>	<u>48</u>	<u>(</u>	<u>80</u>	<u>(</u>	<u>48</u>	<u>(</u>
P18 <u>(</u>	<u>(</u>	<u>51</u>	<u>(</u>	<u>85</u>	<u>(</u>	<u>51</u>	<u>(</u>
P19 <u>(</u>	<u>(</u>	<u>54</u>	<u>(</u>	<u>90</u>	<u>(</u>	<u>54</u>	<u>(</u>
P20 <u>(</u>	<u>(</u>	<u>57</u>	<u>(</u>	<u>(</u>	<u>(</u>	<u>57</u>	<u>(</u>
		<u>60</u>	<u>(</u>	<u>(</u>	<u>(</u>	<u>60</u>	<u>(</u>

TKT # 18466

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1560



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10/11/83 TICKET #18466
CUSTOMER: RANGE OIL COMPANY INC. LEASE: "A" WELLS
WELL: 2 TEST: 1 GEOLOGIST: R. OLSEN
ELEVATION (KB): 1390 FORMATION: MAQUOKETA
SECTION: 22 TOWNSHIP: 16S
RANGE: 3W COUNTY: SALINE STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 3372 FT TO: 3379 FT TOTAL DEPTH: 3379 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3367 FT SIZE: 6 5/8 IN PACKER DEPTH: 3372 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE #1
MUD TYPE: CHEMICAL VISCOSITY: 46
WEIGHT: 9.9 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 2000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 150 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3194 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 7 FT SIZE: 5 1/2 O.D. IN
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.H. IN

BLOW: INITIAL FLOW PERIOD - DECREASING WEAK BLOW.
2" TO 1/4" BLOW.
FINAL FLOW PERIOD - NO BLOW.

RECOVERED: 5	FT	OF: MUD
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 2:00 P.M.

WELL TEMPERATURE: 104 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 4:00 P.M.

(A) 1772	PSI
(B) 75	PSI TO (C) 75
(D) 80	PSI
(E) 74	PSI TO (F) 74
(G) 81	PSI
(H) 1756	PSI

WESTERN TESTING CO., INC.

PRESSURE DATA

DATE: 10/11/83

CUSTOMER: RANGE OIL COMPANY INC.

TEST: 1

FORMATION: MAQUOKETA

TOWNSHIP: 16S

COUNTY: SALINE

RANGE: 4500

TICKET #18466

LEASE: "A" WELLS

GEOLOGIST: R. OLSEN

MAQUOKETA

165

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1772 PSI

(B) FIRST INITIAL FLOW PRESSURE: 75 PSI

(C) FIRST FINAL FLOW PRESSURE: 75 PSI

(D) INITIAL CLOSED-IN PRESSURE: 80 PSI

(E) SECOND INITIAL FLOW PRESSURE: 74 PSI

(F) SECOND FINAL FLOW PRESSURE: 74 PSI

(G) FINAL CLOSED-IN PRESSURE: 81 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1756 PSI

WELL TEMPERATURE: 104 °F

OPEN TOOL: 2:00 P.M.

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

SECOND FLOW PRESSURE: 30 MIN 30 MIN

FINAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	75	0	75	0	74	0	74
2	5	75	3	75	5	74	3	74
3	10	75	6	75	10	74	6	74
4	15	75	9	75	15	74	9	74
5	20	75	12	75	20	74	12	75
6	25	75	15	76	25	74	15	76
7	30	75	18	77	30	74	18	77
8			21	78			21	78
9			24	79			24	79
10			27	80			27	80
11			30	80			30	81



WESTERN TESTING CO., INC.
FORMATION TESTING

Called OK

TICKET

No 18467

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

Elevation 1385 GL Formation Simpson Eff. Pay — Ft.

District GT Bend Date 10-12-83 Customer Order No. —

COMPANY NAME Range Oil Company, Inc.

ADDRESS 220 West Douglas 240 Page Court Wichita KS 672

LEASE AND WELL NO. Wells "A" #2 COUNTY Saline STATE KS. Sec. 22 Twp. 16 Rge. 3

Mail Invoice To #2 "A" WELLS SAME No. Copies Requested 5
Co. Name Address

Mail Charts To SAME No. Copies Requested 5
Address

Formation Test No. 2 Interval Tested From 3525 ft. to 3549 ft. Total Depth 3549 ft.

Packer Depth 3520 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 3525 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3536 ft. Recorder Number 1560 Cap. 4500

Bottom Recorder Depth (Outside) 3539 ft. Recorder Number 3085 Cap. 4500

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

Drilling Contractor Range drlg rig #1 Drill Collar Length 150 I. D. 2.2 in.

Mud Type Chemical Viscosity 38 Weight Pipe Length — I. D. — in.

Weight 10.2 Water Loss 12.8 cc. Drill Pipe Length 3354 I. D. 3.8 in.

Chlorides 1700 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 24 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 7/8 in. Tool Joint Size 4 1/2 in.

Blow: IF - Strong Blow decreasing to Fair Blow 12" to 5" Blow

FF - Fair Blow decreasing to Wear Blow 5" to 2" Blow

Recovered 125 ft. of Mud

Recovered 120 ft. of Thin mud chlorides 7,000

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Remarks: Pressures questionable on initial shut-in, due to tool being picked up too

PACKERS did not seat when first set lost high.

Approx. 30 to 40 feet of mud in hole

Time On Location 3:00 A.M. Time Pick Up Tool 4:15 A.M. Time Off Location 11:30 A.M.

Time Set Packer(s) 5:45 P.M. Time Started Off Bottom 8:45 P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 1927 P.S.I.

Initial Flow Period Minutes 30 (B) 127 P.S.I. to (C) 127 P.S.I.

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

Final Flow Period Minutes 60 (E) 138 P.S.I. to (F) 138 P.S.I.

Final Closed In Period 1.4.1983 Minutes 60 (G) 1329 P.S.I.

Final Hydrostatic Pressure (H) 1927 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 Robert Sherr
Signature of Customer or his authorized representative

Western Representative Ray Schwagel

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 \$
Telecopier \$
TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-12 Recorder No. 1560 Capacity 4500 Test Ticket No. 18467
 Clock No. --- Elevation 1385 AK Location 3536 Ft
 Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1916</u>	P.S.I.	<u>5:45</u> P	<u>M</u>
B First Initial Flow Pressure	<u>152</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>152</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1856</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>166</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>166</u>	P.S.I.		
G Final Closed-in Pressure	<u>1254</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1910</u>	P.S.I.		

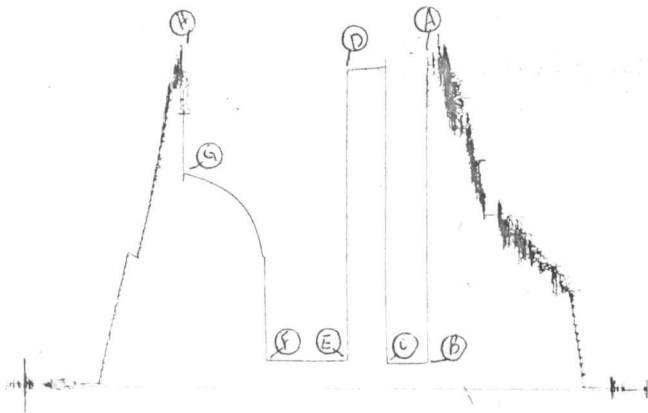
Pressures questionable on
initial shut-in.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>13</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>0</u>	<u>152</u>	<u>0</u>	<u>152</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>166</u>
P 2 <u>5</u>		<u>3</u>	<u>1872</u>	<u>5</u>		<u>3</u>	<u>802</u>
P 3 <u>10</u>		<u>6</u>	<u>1868</u>	<u>10</u>		<u>6</u>	<u>903</u>
P 4 <u>15</u>		<u>9</u>	<u>1866</u>	<u>15</u>		<u>9</u>	<u>966</u>
P 5 <u>20</u>		<u>12</u>	<u>1864</u>	<u>20</u>		<u>12</u>	<u>1016</u>
P 6 <u>25</u>		<u>15</u>	<u>1868</u>	<u>25</u>		<u>15</u>	<u>1054</u>
P 7 <u>30</u>	<u>152</u>	<u>18</u>	<u>1860</u>	<u>30</u>		<u>18</u>	<u>1081</u>
P 8 <u>35</u>		<u>21</u>	<u>1859</u>	<u>35</u>		<u>21</u>	<u>1106</u>
P 9 <u>40</u>		<u>24</u>	<u>1858</u>	<u>40</u>		<u>24</u>	<u>1126</u>
P10 <u>45</u>		<u>27</u>	<u>1857</u>	<u>45</u>		<u>27</u>	<u>1146</u>
P11 <u>50</u>		<u>30</u>	<u>1856</u>	<u>50</u>		<u>30</u>	<u>1162</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	<u>1176</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>	<u>166</u>	<u>36</u>	<u>1189</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>1198</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>1209</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>1220</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>1229</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1236</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>1242</u>
P20		<u>57</u>				<u>57</u>	<u>1248</u>
		<u>60</u>				<u>60</u>	<u>1254</u>

TKT # 18467

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10/12/83
CUSTOMER: RANGE OIL CO. INC.
WELL: 2 "A"

TEST: 2

TICKET #18467
LEASE: WELLS
GEOLOGIST: ROBERT OBREIN

ELEVATION (KB): 1390
SECTION: 22
RANGE: 3W
GAUGE SN #1560
FORMATION: SIMPSON
TOWNSHIP: 16S
COUNTY: SALINE
STATE: KANSAS
RANGE: 4500
CLOCK: 12

INTERVAL TEST FROM: 3525 FT TO: 3549 FT TOTAL DEPTH: 3549 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3520 FT SIZE: 6 5/8 IN PACKER DEPTH: 3525 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG # 1
MUD TYPE: CHEM VISCOSITY: 38
WEIGHT: 10.2 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 1700

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 150 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3354 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 24 FT SIZE: 5 1/2 O.D. IN
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: INITIAL FLOW PERIOD.
FINAL FLOW PERIOD.

RECOVERED: 125	FT	OF: MUD
RECOVERED: 120	FT	OF: THIN MUD
RECOVERED:	FT	OF: CHLORIDES 7000 P.P.M.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: PRESSURES QUESTIONABLE ON INITIAL SHUT-IN
DUE TO TOOL BEING PICKED UP TO HIGH.
PACKERS DID NOT SEAT WHEN FIRST SET.
APPROX. 30 TO 40 FEET OF MUD IN HOLE.

TIME SET PACKER(S): 5:45 P.M.	TIME STARTED OFF BOTTOM: 8:45 P.M.
WELL TEMPERATURE: 110 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 1916 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 152 PSI TO (C) 152 PSI
INITIAL CLOSED IN PERIOD MIN: 30	(D) 1856 PSI
FINAL FLOW PERIOD MIN: 60	(E) 166 PSI TO (F) 166 PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 1254 PSI
FINAL HYDROSTATIC PRESSURE	(H) 1910 PSI

WESTERN TESTING CO. INC.

PRESSURE DATA

DATE: 10/12/83

CUSTOMER: RANGE OIL CO. INC.

TEST: 2

FORMATION: SIMPSON

TOWNSHIP: 16S

COUNTY: SALINE

RANGE: 4500

LEASE: WELLS

GEOLOGIST: ROBERT OBREIN

SIMPSON

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1916 PSI

(B) FIRST INITIAL FLOW PRESSURE: 152 PSI

(C) FIRST FINAL FLOW PRESSURE: 152 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1856 PSI

(E) SECOND INITIAL FLOW PRESSURE: 166 PSI

(F) SECOND FINAL FLOW PRESSURE: 166 PSI

(G) FINAL CLOSED-IN PRESSURE: 1254 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1910 PSI

WELL TEMPERATURE: 110 °F

OPEN TOOL: 5:45 P.M.

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

SECOND FLOW PRESSURE: 60 MIN 60 MIN

FINAL CLOSED-IN PRESSURE: 60 MIN 60 MIN

PRESSURE BREAKDOWN

[illegible]

22
23
24
25
26
27
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29
30