



P. O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

Company Range Oil Company, Inc. Lease & Well No. John Jarvis #1  
Elevation 1256 Kelly Bushing Formation Admire Effective Pay ----- Fr. Ticket No. 157  
Date 4/5/78 Sec. k4 Twp 33s Range 5e County Cowley State Kansas  
Test Approved by Raymond M. Goodin Western Representative Sam McClune

Formation Test No. 1 Interval Tested from 593 ft. to 650 ft. Total Depth 650 ft.  
Packer Depth 588 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 593 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set --

Top Recorder Depth (Inside) 611 ft. Recorder Number 3085 Cap. 4500  
Bottom Recorder Depth (Outside) 614 ft. Recorder Number 1564 Cap. 3150  
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Company Tools Drill Collar Length 253 I. D. 2.25 in.  
Mud Type chemical Viscosity 41 Weight Pipe Length -- I. D. -- in.  
Weight 9.0 Water Loss N.A. cc. Drill Pipe Length 319 I. D. 3.8 in.  
Chlorides W.A. P.P.M. Test Tool Size 4 1/2 Od in. Tool Joint Size 3 1/2 IF in.  
Jars: Make -- Serial Number -- Anchor Length 57 ft. Size 5 1/2 OD in.  
Did Well Flow? yes Reversed Out no Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7 7/8 in.

Blow: Good increasing blow on initial flow period. Strong on final flow period.  
See attached sheet for gas measurements.

Recovered 70' ft. of watery mud  
Recovered        ft. of         
Recovered        ft. of 502' gas in pipe  
Recovered        ft. of         
Recovered        ft. of       

Remarks: Gas leveled off 6,330 C.F.D.. Gas sample caught in bottle #619

Time Set Packer(s) 11:28 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 1:30 ~~P.M.~~ <sup>A.M.</sup> Thermometer wouldn't shake down below Maximum Temperature 81 °  
Initial Hydrostatic Pressure ..... (A) 269 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 36 P.S.I. to (C) 17 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 213 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 57 P.S.I. to (F) 36 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 215 P.S.I.  
Final Hydrostatic Pressure ..... (H) 259 P.S.I.



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

### GAS FLOW REPORT

Date 4-5-78 Ticket 157 Company Range Oil Company, Inc.  
 Well Name and No. Jarvis #2 Dst No. 1 Interval Tested 593' - 650'  
 County Cowley State Kansas Sec. 14 Twp. 33S Rg. 5E

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
<b>PRE FLOW</b>						
		Gas to surface in 25 minutes.				
12:00	30 min.	5" of water		1/4" orifice		3,710 C.F.P.D.

<b>SECOND FLOW</b>						
12:40	10 min.	14" of water		1/4" orifice		6,330 C.F.P.D.
12:50	20 min.	14" of water		1/4" orifice		6,330 C.F.P.D.
1:00	30 min.	14" of water		1/4" orifice		6,330 C.F.P.D.

### GAS BOTTLE

Serial No. 619 Date Bottle Filled 4-5-78 Date to be Invoiced 4-5-78

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Range Oil Company, Inc.

Authorized by Raymond Goodin

# WESTERN TESTING CO., INC.

## Pressure Data

Date 4-5-78 Test Ticket No. 157  
 Order No. 3085 Capacity 4500 Location 611 Ft.  
 Block No. - Elevation 1256 Kelly Bushing Well Temperature 81 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	269	P.S.I.	11:28A	M
First Initial Flow Pressure	36	P.S.I.	30	Mins. 30 Mins.
First Final Flow Pressure	17	P.S.I.	30	Mins. 27 Mins.
Initial Closed-in Pressure	213	P.S.I.	30	Mins. 30 Mins.
Second Initial Flow Pressure	57	P.S.I.	30	Mins. 30 Mins.
Second Final Flow Pressure	36	P.S.I.		
Final Closed-in Pressure	215	P.S.I.		
Final Hydrostatic Mud	259	P.S.I.		

### PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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	Press.	Point	Press.	Point	Press.	Point	Press.	
Ins.		Minutes		Minutes		Minutes		
1	0	36	0	17	0	57	0	36
2	5	22	3	130	5	39	3	141
3	10	17	6	170	10	36	6	175
4	15	17	9	187	15	36	9	191
5	20	17	12	196	20	36	12	199
6	25	17	15	201	25	36	15	206
7	30	17	18	203	30	36	18	208
8			21	208			21	211
9			24	210			24	214
10			27	213			27	215
11							30	215
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3085

TKT # 157  
I.

