

Company Range Oil Company, Inc. Lease & Well No. #3 Muret "A"  
 Elevation 1226 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 16622  
 Date 11/10 /82 Sec. 27 Twp. 33S Range 5E County Cowley State Kansas  
 Test Approved by Tim J. Lauer Western Representative Norman Allen

Formation Test No. 1 Interval Tested from 2559 ft. to 2574 ft. Total Depth 2574 ft.  
 Packer Depth 2559 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 2554 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2567 ft. Recorder Number 1559 Cap. 4200  
 Bottom Recorder Depth (Outside) 2570 ft. Recorder Number 13268 Cap. 4225  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Drilling Co. Rig #2 Drill Collar Length 150 I. D. 2 1/4 in.  
 Mud Type chemical Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 9.5 Water Loss 10.4 cc. Drill Pipe Length 2389 I. D. 3.8 in.  
 Chlorides 1,900 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 OD in.  
 Did Well Flow? -- 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 for twenty-five minutes.

Recovered 25 ft. of oil cut mud 35% oil;65% mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:30 A.M. Time Started Off Bottom 3:30 A.M. Maximum Temperature 104°  
P.M. P.M.  
 Initial Hydrostatic Pressure ..... (A) 1293 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 13 P.S.I. to (C) 25 P.S.I.  
 Initial Closed In Period ..... Minutes 27 (D) 159 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 44 P.S.I. to (F) 44 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 236 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1284 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 11/10/82 Recorder No. 1559 Capacity 4200 Test Ticket No. 16622  
 Clock No. --- Elevation 1226 Kelly Bushing Location 2567 Ft. 104  
 Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1293	P.S.I.	1:30P	M
B First Initial Flow Pressure	13	P.S.I.	30	30
C First Final Flow Pressure	25	P.S.I.	30	27
D Initial Closed-in Pressure	159	P.S.I.	30	30
E Second Initial Flow Pressure	44	P.S.I.	30	30
F Second Final Flow Pressure	44	P.S.I.		
G Final Closed-in Pressure	236	P.S.I.		
H Final Hydrostatic Mud	1284	P.S.I.		

**PRESSURE BREAKDOWN**

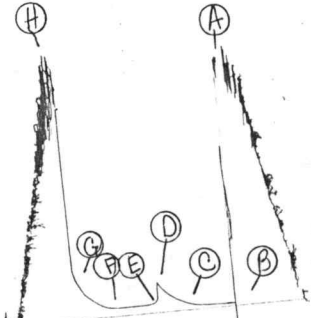
Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
P 1	0	13	0	25	0	44	0	44
P 2	5	13	3	29	5	44	3	48
P 3	10	13	6	40	10	44	6	52
P 4	15	15	9	50	15	44	9	59
P 5	20	16	12	59	20	44	12	69
P 6	25	20	15	71	25	44	15	84
P 7	30	20	18	86	30	44	18	100
P 8			21	107			21	117
P 9			24	130			24	148
P 10			27	159			27	186
P 11							30	236
P 12								
P 13								
P 14								
P 15								
P 16								
P 17								
P 18								
P 19								
P 20								

DST #1

TK # 16622  
I.

16622

1559



Company Range Oil Company, Inc. Lease & Well No. #3 Muret "A"  
 Elevation 1226 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 13914  
 Date 11/12/82 Sec. 27 Twp. 33S Range 5E County Cowley State Kansas  
 Test Approved by Tim J. Lauer Western Representative Kenny Kirkendall

Formation Test No. 2 Interval Tested from 3128 ft. to 3145 ft. Total Depth 3145 ft.  
 Packer Depth 3128 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3123 ft. Size 6 3/4 in. Packer Depth -- ft. Size --- in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3130 ft. Recorder Number 2605 Cap. 4150  
 Bottom Recorder Depth (Outside) 3136 ft. Recorder Number 1049 Cap. 4250  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range Drilling Rig #2 Drill Collar Length 150 I. D. - in.  
 Mud Type chemical Viscosity 44 Weight Pipe Length -- I. D. - in.  
 Weight 9.8 Water Loss 11.2 cc. Drill Pipe Length - I. D. - in.  
 Chlorides 1,900 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 17 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 XH in.

Blow: Surge as tool opened . No blow.

Recovered 10 ft. of mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_  
 \_\_\_\_\_

Time Set Packer(s)	---	A.M. P.M.	Time Started Off Bottom	----	A.M. P.M.	Maximum Temperature	<u>113°</u>
Initial Hydrostatic Pressure			(A)	<u>1640</u>	P.S.I.		
Initial Flow Period			Minutes	<u>30</u>	(B)	P.S.I. to (C)	<u>30</u> P.S.I.
Initial Closed In Period			Minutes	<u>48</u>	(D)	P.S.I.	
Final Flow Period			Minutes	<u>30</u>	(E)	P.S.I. to (F)	<u>57</u> P.S.I.
Final Closed In Period			Minutes	<u>48</u>	(G)	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>1630</u>	P.S.I.		

**WESTERN TESTING CO., INC.**  
Pressure Data

Date 11/12/82 Test Ticket No. 13914  
 Recorder No. 2605 Capacity 4150 Location 3130 Ft.  
 Clock No. --- Elevation 1226 Kelly Bushing Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1640	P.S.I.	--	M
B First Initial Flow Pressure	30	P.S.I.	30	30
C First Final Flow Pressure	30	P.S.I.	30	48
D Initial Closed-in Pressure	809	P.S.I.	30	30
E Second Initial Flow Pressure	57	P.S.I.	45	48
F Second Final Flow Pressure	57	P.S.I.		
G Final Closed-in Pressure	724	P.S.I.		
H Final Hydrostatic Mud	1630	P.S.I.		

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
P 1	0	6	0	16	0	6	0	16
P 2	5	5	3	3	5	5	3	3
P 3	10	5	6	0	10	5	6	0
P 4	15	5	9	0	15	5	9	0
P 5	20	5	12	0	20	5	12	0
P 6	25	5	15	0	25	5	15	0
P 7	30	5	18	0	30	5	18	0
P 8		5	21	0		5	21	0
P 9		5	24	0		5	24	0
P10		5	27	0		5	27	0
P11		5	30	0		5	30	0
P12		5	33	0		5	33	0
P13		5	36	0		5	36	0
P14		5	39	0		5	39	0
P15		5	42	0		5	42	0
P16		5	45	0		5	45	0
P17		5	48	0		5	48	0
P18		5		0		5		0
P19		5		0		5		0
P20		5		0		5		0

2605

TK#13914  
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