



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N<sup>o</sup> 6010

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation ?

Formation Simpson

Eff. Pay - Ft.

District Augusta

Date 6-19-80

Customer Order No. -

COMPANY NAME Jimmy Ryzak

ADDRESS 2101 East 21 Wichita, Ks 67214

LEASE AND WELL NO. Ryzak A-17 COUNTY Butler STATE Ks Sec. 10 Twp 27 Rge AE

Mail Invoice To Same No. Copies Requested 1

Co. Name Address

Mail Charts To Ryzak Same No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2454 ft. to 2485 ft. Total Depth 2485 ft.

Packer Depth 2449 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2454 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2477 ft.

Recorder Number 1558 Cap. 4200

Bottom Recorder Depth (Outside) 2480 ft.

Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor White & Ellis

Drill Collar Length 180 I. D. 2 1/4 in.

Mud Type Chem Viscosity 39

Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 21.6 cc.

Drill Pipe Length 2254 I. D. 3.8 in.

Chlorides 1300 P.P.M.

Test Tool Length 51 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number -

Anchor Length 31 ft. Size 5 1/2 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: check thruout test

Recovered 3' ft. of Freeoil

Recovered 185 ft. of Drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

weak blow on location 2:PM picked up Tool 5:15PM Job Completed 11:30 PM 6-19-80

Time Set Packer(s) 6:30 A.M. Time Started Off Bottom 9:30 A.M. Maximum Temperature 102

Initial Hydrostatic Pressure (A) 1225 P.S.I.

Initial Flow Period Minutes 30 (B) 63 P.S.I. to (C) 85 P.S.I.

Initial Closed In Period Minutes 30 (D) 430 P.S.I.

Final Flow Period Minutes 60 (E) 125 P.S.I. to (F) 125 P.S.I.

Final Closed In Period Minutes 60 (G) 420 P.S.I.

Final Hydrostatic Pressure (H) 1195 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.

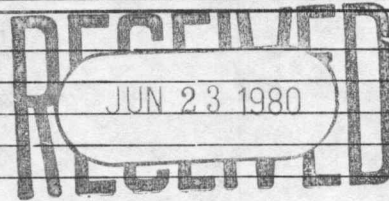
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Fred Claus Norman Allen

FIELD INVOICE

Table with 2 columns: Item, Price. Includes Open Hole Test \$550.00, Mileage x 15d \$1.50, and TOTAL \$551.50.



WESTERN TESTING CO., INC.

Pressure Data

Date 6-19-80 Test Ticket No. 6010  
 Recorder No. 1558 Capacity 4200 Location 2477 Ft.  
 Block No. — Elevation — Well Temperature 102 °F

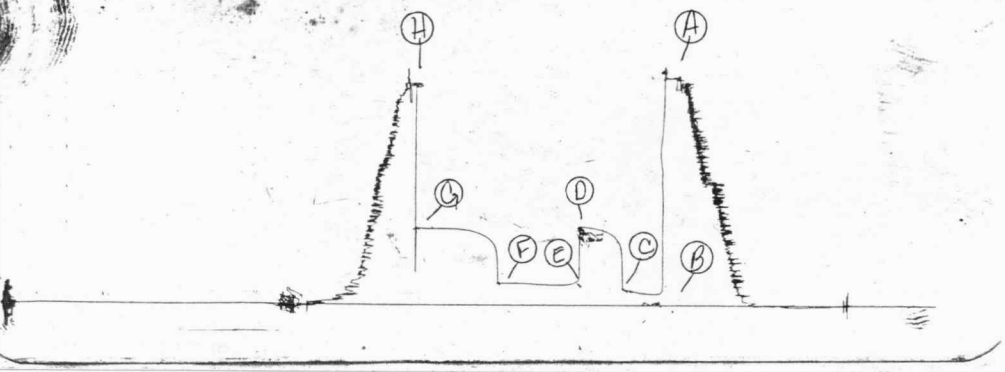
Point	Pressure		Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	<u>1226</u>	P.S.I.		<u>6:30 P</u>	M
First Initial Flow Pressure	<u>80</u>	P.S.I.	First Flow Pressure	<u>30</u>	Mins. <u>30</u> Mins.
First Final Flow Pressure	<u>86</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u>	Mins. <u>30</u> Mins.
Initial Closed-in Pressure	<u>422</u>	P.S.I.	Second Flow Pressure	<u>60</u>	Mins. <u>60</u> Mins.
Second Initial Flow Pressure	<u>137</u>	P.S.I.	Final Closed-in Pressure	<u>60</u>	Mins. <u>60</u> Mins.
Second Final Flow Pressure	<u>116</u>	P.S.I.			
Final Closed-in Pressure	<u>414</u>	P.S.I.			
Final Hydrostatic Mud	<u>1194</u>	P.S.I.			

PRESSURE BREAKDOWN

Point (mins.)	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>12</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.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1	<u>80</u>	0	<u>86</u>	0	<u>137</u>	0	<u>116</u>
2	<u>59</u>	3	<u>329</u>	5	<u>112</u>	3	<u>319</u>
3	<u>59</u>	6	<u>363</u>	10	<u>108</u>	6	<u>348</u>
4	<u>63</u>	9	<u>382</u>	15	<u>108</u>	9	<u>365</u>
5	<u>72</u>	12	<u>392</u>	20	<u>108</u>	12	<u>380</u>
6	<u>80</u>	15	<u>403</u>	25	<u>109</u>	15	<u>388</u>
7	<u>86</u>	18	<u>409</u>	30	<u>112</u>	18	<u>395</u>
8		21	<u>413</u>	35	<u>116</u>	21	<u>401</u>
9		24	<u>416</u>	40	<u>116</u>	24	<u>405</u>
10		27	<u>420</u>	45		27	<u>407</u>
11		30	<u>422</u>	50		30	<u>408</u>
12		33		55		33	<u>409</u>
13		36		60	<u>116</u>	36	<u>409</u>
14		39		65		39	<u>410</u>
15		42		70		42	<u>410</u>
16		45		75		45	<u>410</u>
17		48		80		48	<u>411</u>
18		51		85		51	<u>411</u>
19		54		90		54	<u>412</u>
20		57				57	<u>413</u>
		60				60	<u>414</u>

TK# 6010  
I

1500



Company Jimmy Razook Lease & Well No. Razook A #17  
 Elevation - Formation Simpson Effective Pay - Ft. Ticket No. 6010  
 Date 6-19-80 Sec. 10 Twp. 27S Range 4E County Butler State Kansas  
 Test Approved by F.W. Morgan Western Representative Fred Klaus

Formation Test No. 1 Interval Tested from 2454 ft. to 2485 ft. Total Depth 2485 ft.  
 Packer Depth 2449 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
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Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 2477 ft. Recorder Number 1558 Cap. 4200  
 Bottom Recorder Depth (Outside) 2480 ft. Recorder Number 1559 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drlg. Drill Collar Length 180 I. D. 2 1/4 in.  
 Mud Type Chem Viscosity 39 Weight Pipe Length - I. D. - in.  
 Weight 9.7 Water Loss 21.6 cc. Drill Pipe Length 2254 I. D. 3.8 in.  
 Chlorides 1200 P.P.M. Test Tool Length 51 ft. Tool Size 5 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 31 ft. Size 5 1/2 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 3 ft. of free oil  
 Recovered 185 ft. of drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks:    

Time Set Packer(s) 6:30 ~~A.M.~~ P.M. Time Started Off Bottom 9:30 ~~A.M.~~ P.M. Maximum Temperature 102  
 Initial Hydrostatic Pressure (A) 1226 P.S.I.  
 Initial Flow Period Minutes 30 (B) 80 P.S.I. to (C) 86 P.S.I.  
 Initial Closed In Period Minutes 30 (D) 422 P.S.I.  
 Final Flow Period Minutes 60 (E) 137 P.S.I. to (F) 116 P.S.I.  
 Final Closed In Period Minutes 60 (G) 414 P.S.I.  
 Final Hydrostatic Pressure (H) 1194 P.S.I.

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## Pressure Data

Date 6-19-80 Test Ticket No. 6010  
 Recorder No. 1558 Capacity 4200 Location 2477 Ft.  
 Clock No. - Elevation - Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1226	P.S.I.	6:30P.	M
B First Initial Flow Pressure	80	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	86	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	422	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	137	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	116	P.S.I.		
G Final Closed-in Pressure	414	P.S.I.		
H Final Hydrostatic Mud	1194	P.S.I.		

### PRESSURE BREAKDOWN

**First Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 12 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	80	0	86	0	137	0	116
P 2 5	59	3	329	5	112	3	319
P 3 10	59	6	363	10	108	6	348
P 4 15	63	9	382	15	108	9	365
P 5 20	72	12	392	20	108	12	380
P 6 25	80	15	403	25	109	15	388
P 7 30	86	18	409	30	112	18	394
P 8		21	413	35	116	21	401
P 9		24	416	40	116	24	405
P10		27	420	45	116	27	407
P11		30	422	50	116	30	408
P12				55	116	33	409
P13				60	116	36	409
P14						39	410
P15						42	410
P16						45	410
P17						48	411
P18						51	411
P19						54	412
P20						57	413
						60	414