



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 3597

Elevation 2009 K.B. Formation K.C. Eff. Pay Ft.

District Great Bend Date 3-4-80 Customer Order No.

COMPANY NAME Production Inc.

ADDRESS P.O. Box 433459 Great Bend, KS 62530

LEASE AND WELL NO #1 Bahr COUNTY Barton STATE KS. Sec. 22 Twp 17s Rge 15w

Mail Invoice To Same As Above No. Copies Requested 5
Co. Name Dahr #1 Address "

Mail Charts To " No. Copies Requested 5
Address "

Formation Test No. 1 Interval Tested from 3357 ft. to 3405 ft. Total Depth 3405 ft.

Packer Depth 3352 ft. Size 6 3/4 in. Packer Depth 3357 ft. Size 6 3/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3361 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3364 ft. Recorder Number 3659 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Allen Drlg. Rig 3 Drill Collar Length I. D. in.

Mud Type Starch Viscosity 38 Weight Pipe Length I. D. in.

Weight 9.9 Water Loss 8.0 cc. Drill Pipe Length 3335 I. D. 3.8 in.

Chlorides 64,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.

Jars: Make Serial Number Anchor Length 48 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 in.

Blow: Very Weak Throughout Flow Periods.

Recovered 40 ft. of Drlg. Mud. Few SPTs of Oil On Top of Tool.

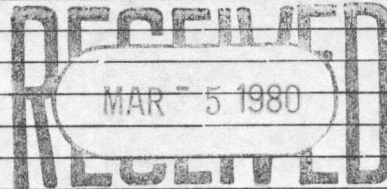
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time Set Packer(s) 5:23 A.M. Time Started Off Bottom 7:25 A.M. Maximum Temperature Broken

Initial Hydrostatic Pressure (A) 1725 P.S.I.

Initial Flow Period 30 Minutes (B) 23 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period 30 Minutes (D) 863 P.S.I.

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

Final Closed In Period 30 Minutes (G) 719 P.S.I.

Final Hydrostatic Pressure (H) 1768 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 David P. Williams
Signature of Customer or his authorized representative

Western Representative Denis Wondra

Thank you
March

FIELD INVOICE

Open Hole Test \$ 500.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$ 40.00

Extra Charts \$

TOTAL \$ 540.00

WESTERN TESTING CO., INC.

Pressure Data

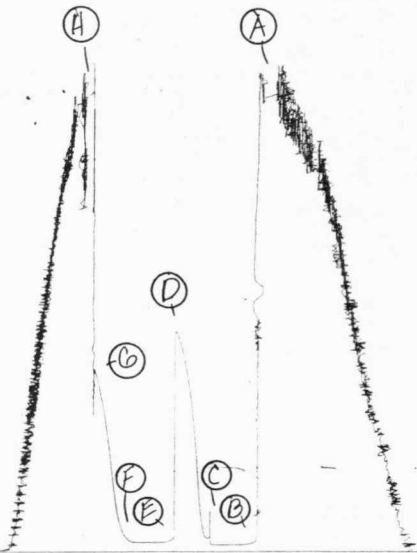
Date 3-4-80 Test Ticket No. 3597
 Recorder No. 3474 Capacity 3000 Location 3361 Ft.
 Clock No. _____ Elevation 2009 K.B. Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1774</u> P.S.I.	<u>5:23 A</u> M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>857</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>36</u> P.S.I.		
G Final Closed-in Pressure	<u>709</u> P.S.I.		
H Final Hydrostatic Mud	<u>1772</u> 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>10</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>11</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>31</u>	0	<u>27</u>	0	<u>40</u>	0	<u>36</u>
P 2	<u>31</u>	3	<u>54</u>	5	<u>40</u>	3	<u>44</u>
P 3	<u>27</u>	6	<u>61</u>	10	<u>36</u>	6	<u>59</u>
P 4	<u>27</u>	9	<u>128</u>	15	<u>↑</u>	9	<u>90</u>
P 5	<u>27</u>	12	<u>301</u>	20	<u>↓</u>	12	<u>148</u>
P 6	<u>27</u>	15	<u>463</u>	25	<u>↓</u>	15	<u>251</u>
P 7	<u>27</u>	18	<u>580</u>	30	<u>36</u>	18	<u>359</u>
P 8		21	<u>683</u>	35		21	<u>451</u>
P 9		24	<u>756</u>	40		24	<u>536</u>
P10		27	<u>815</u>	45		27	<u>615</u>
P11		30	<u>857</u>	50		30	<u>680</u>
P12		33		55		33	<u>709</u>
P13		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TKT# 3597
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Company Production, Inc. Lease & Well No. Bahr #1
 Elevation 2009 Kelly Bushing Kansas City Effective Pay ---- Ft. Ticket No. 3597
 Date 3/4/80 Sec. 22 Twp. 17S Range 15W County Barton State Kansas
 Test Approved by David P. Williams Western Representative Denis Wondra
 Formation Test No. 1 Interval Tested from 3357 ft. to 3405 ft. Total Depth 3405 ft.
 Packer Depth 3352 ft. Size 6 3/4 in. Packer Depth 3357 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3361 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 3364 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Allen Drilling Co. Rig #3 Drill Collar Length -- I. D. - in.
 Mud Type starch Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 8.0 cc. Drill Pipe Length 3335 I. D. 3.8 in.
 Chlorides 64,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number - Anchor Length 48 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: Very weak throughout flow periods.

Recovered 40 ft. of drilling mud . Few spots of oil on top of tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set	Packer(s)	P.M. A.M.	Time Started	Off Bottom	P.M. A.M.	Maximum Temperature	Thermometer
	<u>5:23</u>	P.M. A.M.		<u>7:25</u>	P.M. A.M.		<u>Broken</u>
Initial Hydrostatic Pressure			(A)	<u>1774</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>31</u>	P.S.I. to (C) <u>27</u> P.S.I.
Initial Closed In Period			Minutes	<u>30</u>	(D)	<u>857</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>40</u>	P.S.I. to (F) <u>36</u> P.S.I.
Final Closed In Period			Minutes	<u>33</u>	(G)	<u>709</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1772</u>		P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 3/4/80 Recorder No. 3474 Capacity 3000 Test Ticket No. 3597
Clock No. ----- Elevation 2009 Kelly Bushing Location 3361 Ft. Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1774</u> P.S.I.	Open Tool	<u>5:23A</u> M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>857</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>36</u> P.S.I.			
G Final Closed-in Pressure	<u>709</u> P.S.I.			
H Final Hydrostatic Mud	<u>1772</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>10</u> Inc.		Breakdown: <u>6</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>31</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>36</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>54</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>44</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>61</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>59</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>128</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>90</u>
P 5 <u>20</u>	<u>27</u>	<u>12</u>	<u>301</u>	<u>20</u>	<u>36</u>	<u>12</u>	<u>148</u>
P 6 <u>25</u>	<u>27</u>	<u>15</u>	<u>463</u>	<u>25</u>	<u>36</u>	<u>15</u>	<u>251</u>
P 7 <u>30</u>	<u>27</u>	<u>18</u>	<u>580</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>359</u>
P 8		<u>21</u>	<u>683</u>			<u>21</u>	<u>451</u>
P 9		<u>24</u>	<u>756</u>			<u>24</u>	<u>536</u>
P10		<u>27</u>	<u>815</u>			<u>27</u>	<u>615</u>
P11		<u>30</u>	<u>857</u>			<u>30</u>	<u>680</u>
P12						<u>33</u>	<u>709</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							