



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Rosenbau-Crick #1
Elevation 1909 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 5667
Date 3/21/80 Sec. 13 Twp. 28S Range 13W County Pratt State Kansas
Test Approved by Bob Gill Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4300 ft. to 4370 ft. Total Depth 4370 ft.
Packer Depth 4295 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4300 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4337 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4340 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor D.N.B. Drilling Rig #2 Drill Collar Length - I. D. - in.
Mud Type salt-gel-starch Viscosity 44 Weight Pipe Length 700 I. D. 2 1/2 in.
Weight 9.8 Water Loss 12.2 cc. Drill Pipe Length 3610 I. D. 3.8 in.
Chlorides 52,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make NO Serial Number - Anchor Length 40 + D.P. ft. Size 5 1/2 OD + 31 in DP
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 FH in.

Blow: Strong blow throughout test. Gas to surface five minutes. See attached sheet for gas measurements.

Recovered 120 ft. of gas cut mud
Recovered 60 ft. of gas and slightly oil cut mud
Recovered 120 ft. of very heavy gas and oil spotted mud
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 12:25 ^{A.M.}/_{P.M.} Time Started Off Bottom 3:25 ^{A.M.}/_{P.M.} Maximum Temperature 127°
Initial Hydrostatic Pressure 2345 P.S.I. (A)
Initial Flow Period 25 Minutes (B) 114 P.S.I. to (C) 133 P.S.I.
Initial Closed In Period 48 Minutes (D) 956 P.S.I.
Final Flow Period 60 Minutes (E) 160 P.S.I. to (F) 166 P.S.I.
Final Closed In Period 45 Minutes (G) 782 P.S.I.
Final Hydrostatic Pressure 2316 P.S.I. (H)



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GAS FLOW REPORT

Date 3/21/80 Ticket 5667 Company J. A. Allison
 Well Name and No. Rosenbau-Crick #1 Dst No. 1 Interval Tested 4300'-4370'
 County Pratt State Kansas Sec. 13 Twp. 28S Rg. 13W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
12:25PM (Gas to surface 5 minutes) PRE FLOW Tool open						
	10 min.	4 "	of water	1/2" orifice		12,500 CFPD
	20 min.	15"	of water	1/2" orifice		6,550 CFPD
	30 min.	18"	of water	1/2" orifice		7,120 CFPD

1:40PM Tool open - 90,200 CFPD SECOND FLOW						
	10 min.	6 lbs.		1/2" orifice		86,300 CFPD
	20 min.	2 lbs.		1/2" orifice		47,700 CFPD
	30 min.	8" of water		1/2" orifice		17,200 CFPD
	40 min.	8" of water		1/2" orifice		17,200 CFPD
	50 min.	8" of water		1/2" orifice		17,200 CFPD
	60 min.	8" of water		1/2" orifice		17,200 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/21/80

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 1/2% per month, equal to 18% 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 J. A. Allison
Bob Gill
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

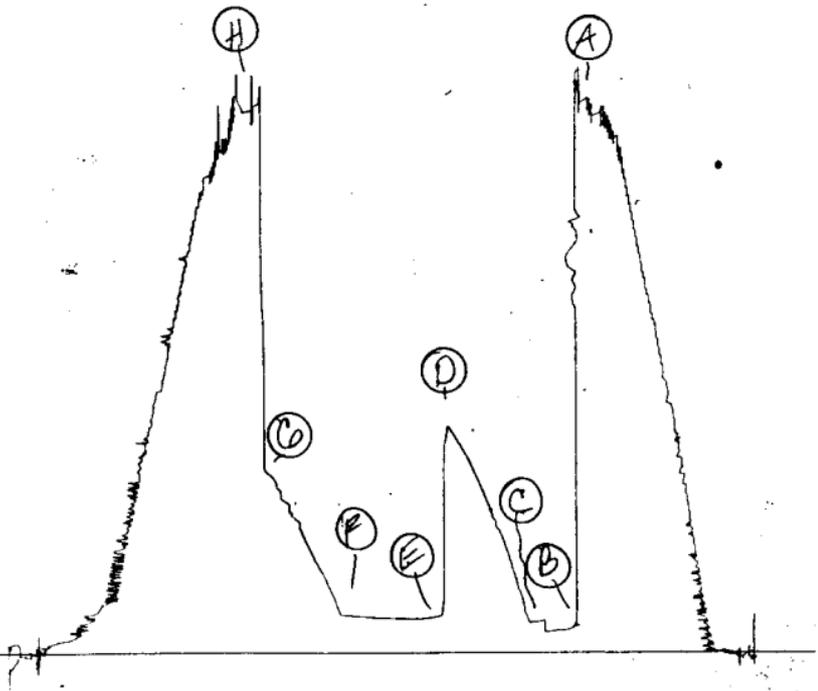
Date 3-21-80 Test Ticket No. 5667
 Recorder No. 2606 Capacity 4150 Location 4337 Ft.
 Clock No. _____ Elevation 1909 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2345	P.S.I.	12:25 P.	
B First Initial Flow Pressure	114	P.S.I.	30 Mins.	25 Mins.
C First Final Flow Pressure	133	P.S.I.	45 Mins.	48 Mins.
D Initial Closed-in Pressure	956	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	160	P.S.I.	45 Mins.	45 Mins.
F Second Final Flow Pressure	166	P.S.I.		
G Final Closed-in Pressure	782	P.S.I.		
H Final Hydrostatic Mud	2316	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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 0	114	0	133	0	160	0	166
P 2 5	100	3	196	5	154	3	223
P 3 10	98	6	272	10	150	6	275
P 4 15	94	9	237	15	150	9	320
P 5 20	137	12	404	20	150	12	358
P 6 25	133	15	469	25	154	15	398
P 7		18	521	30	156	18	441
P 8		21	568	35	157	21	479
P 9		24	622	40	159	24	525
P10		27	672	45	160	27	575
P11		30	721	50	162	30	601
P12		33	771	55	164	33	647
P13		36	811	60	166	36	697
P14		39	848			39	738
P15		42	890			42	761
P16		45	923			45	782
P17		48	956				
P18							
P19							
P20							

PL# 3267
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Company J. A. Allison Lease & Well No. Rosenbaum-Crick #1
 Elevation 1909 Kelly Bushing Formation Viola Effective Pay ----- Ft. Ticket No. 5668
 Date 3/22/80 Sec. 13 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by Bob Gill Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4392 ft. to 4450 ft. Total Depth 4450 ft.
 Packer Depth 4387 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4392 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4428 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4431 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor D.N.B. Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type salt-gel-starch Viscosity 40 Weight Pipe Length 700 I. D. 2.5 in.
 Weight 9.9 Water Loss 14.2 cc. Drill Pipe Length 3703 I. D. 3.8 in.
 Chlorides 50,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 27 + 31 ft. Size 5 1/2 OD + D. P. 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 FH in.

Blow: Weak blow on initial flow and very weak blow on final flow-died in twenty minutes.

Recovered 35 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 2:15 ^{A.M.F.} P.M. Time Started Off Bottom 5:15 ^{A.M.F.} P.M. Maximum Temperature 127°
 Initial Hydrostatic Pressure 2408 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 83 P.S.I. to (C) 62 P.S.I.
 Initial Closed In Period 42 Minutes (D) 87 P.S.I.
 Final Flow Period 60 Minutes (E) 71 P.S.I. to (F) 57 P.S.I.
 Final Closed In Period 45 Minutes (G) 57 P.S.I.
 Final Hydrostatic Pressure 2401 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 3-22-80 Test Ticket No. 5668
 Recorder No. 2606 Capacity 4150 Location 4428 Ft.
 Clock No. _____ Elevation 1909 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2408	P.S.I.	2:15P	.
B First Initial Flow Pressure	83	P.S.I.	30	30
C First Final Flow Pressure	62	P.S.I.	45	42
D Initial Closed-in Pressure	87	P.S.I.	60	60
E Second Initial Flow Pressure	71	P.S.I.	45	45
F Second Final Flow Pressure	57	P.S.I.		
G Final Closed-in Pressure	57	P.S.I.		
H Final Hydrostatic Mud	2401	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: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

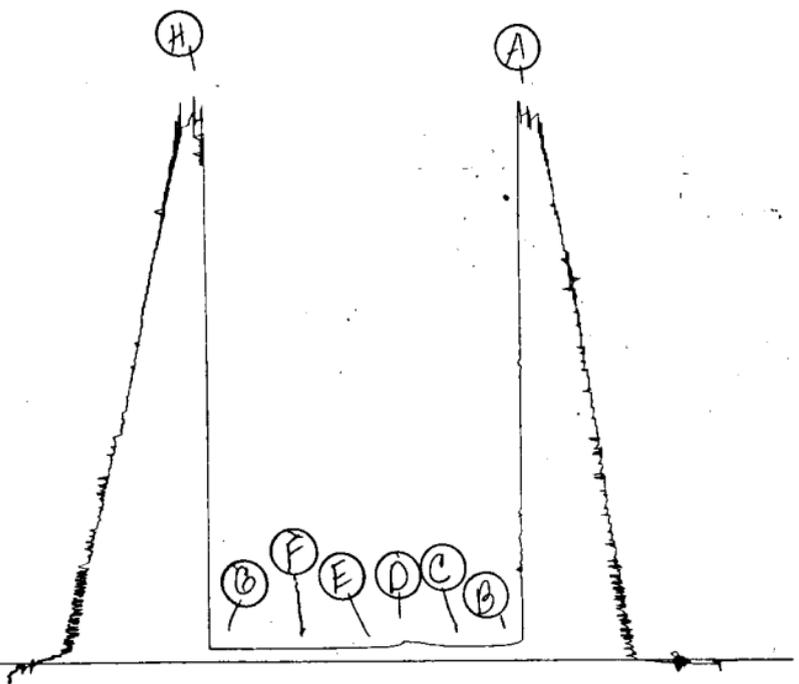
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 15 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	83	0	62	0	71	0	57
P 2 5	73	3	62	5	67	3	57
P 3 10	67	6	62	10	61	6	57
P 4 15	64	9	62	15	61	9	57
P 5 20	63	12	62	20	61	12	57
P 6 25	62	15	62	25	61	15	57
P 7 30	62	18	66	30	61	18	57
P 8		21	69	35	61	21	57
P 9		24	71	40	59	24	57
P10		27	75	45	50	27	57
P11		30	79	50	58	30	57
P12		33	81	55	58	33	57
P13		36	83	60	57	36	57
P14		39	85			39	57
P15		42	87			42	57
P16							
P17							
P18							
P19							
P20							

2606 DST #2

Net #5668
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Company J. A. Allison Lease & Well No. Rosenbaum-Crick #1
 Elevation 1909 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 5669
 Date 3/23/80 Sec. 13 Twp. 28S Range 13W County Pratt State Kansas
 Test Approved by Bob Gill Western Representative Rod Tritt

Formation Test No. 3 Interval Tested from 4545 ft. to 4565 ft. Total Depth 4565 ft.
 Packer Depth 4540 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4545 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4549 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4542 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor DNB Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type premix-starch Viscosity 52 Weight Pipe Length 730 I. D. 2 1/2 in.
 Weight 10 Water Loss 11.0 cc. Drill Pipe Length 3785 I. D. 3.8 in.
 Chlorides 50,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make NO Serial Number - Anchor Length 20 ft. Size 5 1/2 OD
 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 FH in.

Blow: Weak blow throughout the initial flow period. Very weak on final flow ;
died in forty-five minutes.

Recovered 25 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:15 ^{A.M.}/_{P.M.} Time Started Off Bottom 2:15 ^{A.M.}/_{P.M.} Maximum Temperature 128°
 Initial Hydrostatic Pressure (A) 2434 P.S.I.
 Initial Flow Period Minutes 30 (B) 60 P.S.I. to (C) 37 P.S.I.
 Initial Closed In Period Minutes 45 (D) 630 P.S.I.
 Final Flow Period Minutes 60 (E) 83 P.S.I. to (F) 54 P.S.I.
 Final Closed In Period Minutes 48 (G) 468 P.S.I.
 Final Hydrostatic Pressure (H) 2422 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/23/80 Test Ticket No. 5669
 Recorder No. 2606 Capacity 4150 Location 4549 Ft.
 Clock No. - Elevation 1909 Kelly Bushing Well Temperature 128 °F

Point	Pressure			Time Given	Time Computed
A. Initial Hydrostatic Mud	2434	P.S.I.	Open Tool	11:15P	M
B First Initial Flow Pressure	60	P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C First Final Flow Pressure	37	P.S.I.	Initial Closed-in Pressure	45	Mins. 45 Mins.
D Initial Closed-in Pressure	630	P.S.I.	Second Flow Pressure	60	Mins. 60 Mins.
E Second Initial Flow Pressure	83	P.S.I.	Final Closed-in Pressure	45	Mins. 48 Mins.
F Second Final Flow Pressure	54	P.S.I.			
G Final Closed-in Pressure	468	P.S.I.			
H Final Hydrostatic Mud	2422	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>16</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>0</u>	<u>37</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>54</u>
P 2	<u>5</u>	<u>3</u>	<u>37</u>	<u>5</u>	<u>72</u>	<u>3</u>	<u>54</u>
P 3	<u>10</u>	<u>6</u>	<u>37</u>	<u>10</u>	<u>62</u>	<u>6</u>	<u>54</u>
P 4	<u>15</u>	<u>9</u>	<u>39</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>54</u>
P 5	<u>20</u>	<u>12</u>	<u>40</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>54</u>
P 6	<u>25</u>	<u>15</u>	<u>41</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>58</u>
P 7	<u>30</u>	<u>18</u>	<u>45</u>	<u>30</u>	<u>54</u>	<u>18</u>	<u>66</u>
P 8		<u>21</u>	<u>52</u>	<u>35</u>	<u>54</u>	<u>21</u>	<u>71</u>
P 9		<u>24</u>	<u>62</u>	<u>40</u>	<u>54</u>	<u>24</u>	<u>83</u>
P10		<u>27</u>	<u>112</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>112</u>
P11		<u>30</u>	<u>158</u>	<u>50</u>	<u>54</u>	<u>30</u>	<u>158</u>
P12		<u>33</u>	<u>262</u>	<u>55</u>	<u>54</u>	<u>33</u>	<u>218</u>
P13		<u>36</u>	<u>362</u>	<u>60</u>	<u>54</u>	<u>36</u>	<u>280</u>
P14		<u>39</u>	<u>524</u>			<u>39</u>	<u>336</u>
P15		<u>42</u>	<u>591</u>			<u>42</u>	<u>395</u>
P16		<u>45</u>	<u>630</u>			<u>45</u>	<u>441</u>
P17						<u>48</u>	<u>468</u>
P18							
P19							
P20							

