

Company Rosenberg Engine Service, Inc. Lease & Well No. #1 Weller
Elevation --- Formation Arbuckle Effective Pay -- Ft. Ticket No. 17278
Date 9/27/82 Sec. 1 Twp. 20S Range 13W County Barton State Kansas
Test Approved by Howell Crenshaw Western Representative Dan Delaney
Formation Test No. 1 Interval Tested from 3442 ft. to 3456 ft. Total Depth 3456 ft.
Packer Depth 3442 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3437 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3445 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 3449 ft. Recorder Number 6077 Cap. 470-
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Woodman Iannitti Drlg. Drill Collar Length - I. D. - in.
Mud Type salt-mud=starchy Viscosity 45 Weight Pipe Length 378 I. D. 2.7 in.
Weight 9.9 Water Loss 11.8 cc. Drill Pipe Length 3043 I. D. 3.8 in.
Chlorides 54,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 in.
Did Well Flow? Gas 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: Intial flow period strong blow - gas to surface in two minutes . See attached sheet
for gas measurements. Strong blow on final flow period.

Recovered 70 ft. of mud
Recovered 60 ft. of heavy oil and gas cut mud
Recovered 60 ft. of slightly mud cut gassy oil
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 3:50 A.M. Time Started Off Bottom 5:50 A.M. Maximum Temperature 106°
Initial Hydrostatic Pressure (A) 1882 P.S.I.
Initial Flow Period Minutes 30 (B) 192 P.S.I. to (C) 192 P.S.I.
Initial Closed In Period Minutes 30 (D) 950 P.S.I.
Final Flow Period Minutes 30 (E) 170 P.S.I. to (F) 170 P.S.I.
Final Closed In Period Minutes 30 (G) 849 P.S.I.
Final Hydrostatic Pressure (H) 1867 P.S.I.

GAS FLOW REPORT

Date 9/27/82 Ticket 17278 Company Rosenberg Engine Service, Inc.
 Well Name and No. Weller #1 Dst No. 1 Interval Tested 3442'-3456'
 County Barton State Kansas Sec. 1 Twp. 20S Rg. 13W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
Gas to surface in two minutes. PRE FLOW					
5 min.	21 PSIG	1/2" orifice			183,000 CFPD
15 min.	39 PSIG	1/2" orifice			279,000 CFPD
25 min.	31 PSIG	1/2" orifice			237,000 CFPD

SECOND FLOW					
1 min.	10 PSIG	1/2" orifice			116,000 CFPD
10 min.	30 PSIG	1/2" orifice			231,000 CFPD
20 min.	25 PSIG	1/2" orifice			205,000 CFPD
30 min.	21 PSIG	1/2" orifice			183,000 CFPD

GAS BOTTLE

Serial No. 1800 Date Bottle Filled 9/27/82 Date to be Invoiced 9/27/82

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 Rosenberg Engine Service, Inc.

Authorized by Howell Crenshaw

WESTERN TESTING CO., INC.

Pressure Data

Date 9/27/82 Test Ticket No. 17278
Recorder No. 6234 Capacity 4500 Location 3445 Ft.
Clock No. --- Elevation --- Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1882</u> P.S.I.	Open Tool	<u>3:50A</u>	<u>M</u>
B First Initial Flow Pressure	<u>192</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>192</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>950</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>170</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>170</u> P.S.I.			
G Final Closed-in Pressure	<u>849</u> P.S.I.			
H Final Hydrostatic Mud	<u>1867</u> P.S.I.			

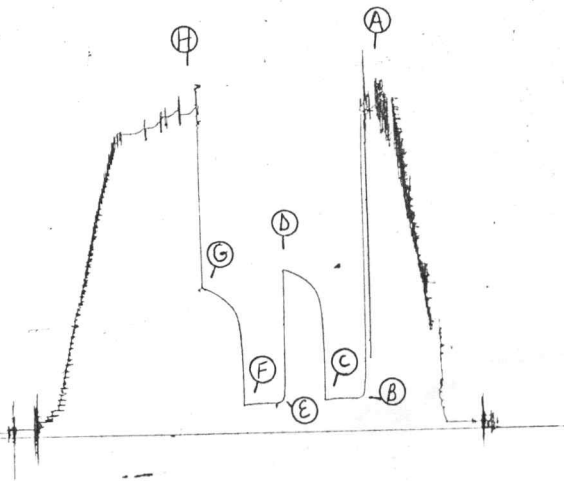
PRESSURE BREAKDOWN

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>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 Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>192</u>	<u>0</u>	<u>192</u>	<u>0</u>	<u>170</u>	<u>0</u>	<u>170</u>
P 2 <u>5</u>	<u>192</u>	<u>3</u>	<u>750</u>	<u>5</u>	<u>170</u>	<u>3</u>	<u>642</u>
P 3 <u>10</u>	<u>192</u>	<u>6</u>	<u>818</u>	<u>10</u>	<u>170</u>	<u>6</u>	<u>709</u>
P 4 <u>15</u>	<u>192</u>	<u>9</u>	<u>853</u>	<u>15</u>	<u>170</u>	<u>9</u>	<u>745</u>
P 5 <u>20</u>	<u>192</u>	<u>12</u>	<u>876</u>	<u>20</u>	<u>170</u>	<u>12</u>	<u>767</u>
P 6 <u>25</u>	<u>192</u>	<u>15</u>	<u>896</u>	<u>25</u>	<u>170</u>	<u>15</u>	<u>788</u>
P 7 <u>30</u>	<u>192</u>	<u>18</u>	<u>911</u>	<u>30</u>	<u>170</u>	<u>18</u>	<u>806</u>
P 8		<u>21</u>	<u>923</u>			<u>21</u>	<u>820</u>
P 9		<u>24</u>	<u>935</u>			<u>24</u>	<u>833</u>
P10		<u>27</u>	<u>944</u>			<u>27</u>	<u>843</u>
P11		<u>30</u>	<u>950</u>			<u>30</u>	<u>849</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 17278

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Company Rosenberg Engine Service, Inc. Lease & Well No. #1 Weller

Elevation --- Formation Arbuckle Effective Pay -- Ft. Ticket No. 17279

Date 9/27/82 Sec. 1 Twp. 20S Range 13W County Barton State Kansas

Test Approved by Howell Crenshaw Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 3456 ft. to 3468 ft. Total Depth 3468 ft.

Packer Depth 3456 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3451 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3459 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3463 ft. Recorder Number 6077 Cap. 470-

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Woodman Iannitti Drlg. Drill Collar Length - I. D. - in.

Mud Type salt-mud=starch Viscosity 45 Weight Pipe Length 378 I. D. 2.7 in.

Weight 9.9 Water Loss 11.8 cc. Drill Pipe Length 3057 I. D. 3.8 in.

Chlorides 54,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 12 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: Initial flow period fair blow slowly increasing to a good blow (two to six inches) Good blow increasing to a strong blow in twenty minutes on final flow period.

Recovered 390 ft. of gas in pipe

Recovered 150 ft. of gassy mud

Recovered 300 ft. of muddy oil

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:35 ~~A.M.~~ P.M. Time Started Off Bottom 5:35 ~~A.M.~~ P.M. Maximum Temperature 107°

Initial Hydrostatic Pressure 1921 P.S.I.

Initial Flow Period 45 Minutes (B) 254 P.S.I. to (C) 264 P.S.I.

Initial Closed In Period 42 Minutes (D) 1018 P.S.I.

Final Flow Period 45 Minutes (E) 270 P.S.I. to (F) 280 P.S.I.

Final Closed In Period 42 Minutes (G) 935 P.S.I.

Final Hydrostatic Pressure 1842 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/27/82 Test Ticket No. 17279
 Recorder No. 6234 Capacity 4500 Location 3459 Ft.
 Clock No. -- Elevation ---- Well Temperature 107 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1921 P.S.I. Open Tool 2:35P M
 B First Initial Flow Pressure 254 P.S.I. First Flow Pressure 45 Mins. 45 Mins.
 C First Final Flow Pressure 264 P.S.I. Initial Closed-in Pressure 45 Mins. 42 Mins.
 D Initial Closed-in Pressure 1018 P.S.I. Second Flow Pressure 45 Mins. 45 Mins.
 E Second Initial Flow Pressure 270 P.S.I. Final Closed-in Pressure 45 Mins. 42 Mins.
 F Second Final Flow Pressure 280 P.S.I.
 G Final Closed-in Pressure 935 P.S.I.
 H Final Hydrostatic Mud 1842 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>14</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>254</u>	<u>0</u>	<u>264</u>	<u>0</u>	<u>270</u>	<u>0</u>	<u>280</u>
P 2 <u>5</u>	<u>258</u>	<u>3</u>	<u>335</u>	<u>5</u>	<u>270</u>	<u>3</u>	<u>335</u>
P 3 <u>10</u>	<u>261</u>	<u>6</u>	<u>387</u>	<u>10</u>	<u>270</u>	<u>6</u>	<u>373</u>
P 4 <u>15</u>	<u>264</u>	<u>9</u>	<u>440</u>	<u>15</u>	<u>270</u>	<u>9</u>	<u>415</u>
P 5 <u>20</u>	<u>264</u>	<u>12</u>	<u>496</u>	<u>20</u>	<u>271</u>	<u>12</u>	<u>461</u>
P 6 <u>25</u>	<u>264</u>	<u>15</u>	<u>550</u>	<u>25</u>	<u>272</u>	<u>15</u>	<u>510</u>
P 7 <u>30</u>	<u>264</u>	<u>18</u>	<u>613</u>	<u>30</u>	<u>274</u>	<u>18</u>	<u>558</u>
P 8 <u>35</u>	<u>264</u>	<u>21</u>	<u>678</u>	<u>35</u>	<u>276</u>	<u>21</u>	<u>617</u>
P 9 <u>40</u>	<u>264</u>	<u>24</u>	<u>738</u>	<u>40</u>	<u>278</u>	<u>24</u>	<u>677</u>
P10 <u>45</u>	<u>264</u>	<u>27</u>	<u>795</u>	<u>45</u>	<u>280</u>	<u>27</u>	<u>732</u>
P11		<u>30</u>	<u>851</u>			<u>30</u>	<u>784</u>
P12		<u>33</u>	<u>903</u>			<u>33</u>	<u>832</u>
P13		<u>36</u>	<u>946</u>			<u>36</u>	<u>877</u>
P14		<u>39</u>	<u>982</u>			<u>39</u>	<u>912</u>
P15		<u>42</u>	<u>1018</u>			<u>42</u>	<u>935</u>
P16							
P17							
P18							
P19							
P20							

TKT # 17279

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