



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Roberston Brothers Lease & Well No. Burch #1
 Elevation 1177 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 21862
 Date 4-8-77 Sec. 16 Twp. 29S Range 12E County Elk State Kansas
 Test Approved by J.R. Fester Western Representative Bill Baker

Formation Test No. 1 O.K. Misrun Interval Tested From 1836' to 1846' Total Depth 1846'
 Size Main Hole 7 7/8 Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 1831 Ft. Size 5 1/2 Bottom Packer Depth 1836 Ft. Size 5 1/2
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 10 Ft. Size 4 1/2 OD Surface Choke Size 1/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 1839 Ft. Clock No. 10167 Depth 1842 Ft. Clock No. 8474
 Top Make Kuster Cap. 3150 No. 1565 ~~Inside~~ Outside Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside
 Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 4:13A. M
 Tool Open I.F.P. From 4:15A M. to 4:30A - Hr. 15 Min. From (B) 34 P.S.I. To (C) 26 P.S.I.
 Tool Closed I.C.I.P. From 4:30AM to 5:00AM - Hr. 30 Min (D) 597 P.S.I.
 Tool Open F.F.P. From 5:00A M. to 5:30AM - Hr. 30 Min. From (E) 28 P.S.I. To (F) 22 P.S.I.
 Tool Closed F.C.I.P. From 5:30M to 6:15AM - Hr. 45 Min. (G) 586 P.S.I.
 Initial Hydrostatic Pressure (A) 957 P.S.I. Final Hydrostatic Pressure (H) 937 P.S.I. Maximum Temp. 100

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 15 minutes.

Did Well Flow Yes No Recovery Total Ft. 15' of drilling mud.

Reversed Out Yes No Mud Type Chem Viscosity 40 Weight 9.2 Water Loss 20.0 cc. Chlorides 1700 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR B & N Drlg. (#4) Length Drill Pipe? 1756 Ft. I.D. Drill Pipe 2.8 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 30 Ft.

Remarks: Gas gauged at 7,600 C.F.P.D. 5 minutes into final flow period, then stabilized at 7,800 C.F.P.D. for remainder of final flow period. Sample taken in bottle #617.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-8-77 Test Ticket No. 21862
 Recorder No. 1565 Capacity 3150 Location 1839 Ft.
 Clock No. 10167 Elevation 1177 Ground Level Well Temperature 100 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>957</u> P.S.I.	Open Tool	<u>4:13A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>597</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
F Second Final Flow Pressure	<u>22</u> P.S.I.			
G Final Closed-in Pressure	<u>586</u> P.S.I.			
H Final Hydrostatic Mud	<u>937</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 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: 7 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 14 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 <u>0</u>	<u>34</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>22</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>335</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>426</u>
P 3 <u>10</u>	<u>26</u>	<u>6</u>	<u>516</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>534</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>571</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>556</u>
P 5 _____	_____	<u>12</u>	<u>582</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>563</u>
P 6 _____	_____	<u>15</u>	<u>586</u>	<u>25</u>	<u>22</u>	<u>15</u>	<u>567</u>
P 7 _____	_____	<u>18</u>	<u>590</u>	<u>30</u>	<u>22</u>	<u>18</u>	<u>571</u>
P 8 _____	_____	<u>21</u>	<u>592</u>	<u>35</u>	<u>22</u>	<u>21</u>	<u>574</u>
P 9 _____	_____	<u>24</u>	<u>594</u>	_____	_____	<u>24</u>	<u>576</u>
P10 _____	_____	<u>27</u>	<u>596</u>	_____	_____	<u>27</u>	<u>578</u>
P11 _____	_____	<u>30</u>	<u>597</u>	_____	_____	<u>30</u>	<u>580</u>
P12 _____	_____	_____	_____	_____	_____	<u>33</u>	<u>582</u>
P13 _____	_____	_____	_____	_____	_____	<u>36</u>	<u>585</u>
P14 _____	_____	_____	_____	_____	_____	<u>39</u>	<u>586</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>586</u>
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Tk+# 21862

I.

