



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

Company National Oil Company Lease & Well No. Burgmeier # 1
Elevation 1286 Kelly Bushing Formation Stalnaker Effective Pay - Ft. Ticker No. 22333
Date 2-12-77 Sec. 33 Twp. 36S Range 6 W County Harper State Kansas
Test Approved by R. B. Gebhart Jr. Western Representative Carl Schouten
Formation Test No. 1 O.K. X Misrun - Interval Tested From 3481' to 3557' Total Depth 3557'
Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 3552 Ft. Size 6 3/4 Bottom Packer Depth 3557 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 76 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3546 Ft. Clock No. 9726 Depth 3549 Ft. Clock No. 6799
Top Make Kuster Cap. 4000 No. 3351 Inside - Outside - Bottom Make Kuster Cap. 4150 No. 2606 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 9:30P M
Tool Open I.F.P. From 9:32P M. to 10:02P M. - Hr. 30 Min. From (B) 538 P.S.I. To (C) 1155 P.S.I.
Tool Closed I.C.I.P. From 10:02P M. to 10:32P M. - Hr. 30 Min (D) 1494 P.S.I.
Tool Open F.F.P. From 10:32P M. to 10:52P M. - Hr. 20 Min. From (E) 982 P.S.I. To (F) 1163 P.S.I.
Tool Closed F.C.I.P. From 10:52P M. to 11:52P M. - Hr. 60 Min. (G) 1496 P.S.I.
Initial Hydrostatic Pressure (A) 1744 P.S.I. Final Hydrostatic Pressure (H) 1714 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Good blow increasing to a strong blow in two minutes.

Did Well Flow X Yes - No Recovery Total Ft. 110' of salt water (1/2 BBl.) Gas to surface in 4 minutes
Gas gauged when tool opened at 311,000 C.F.P.D. Gas gauged in 10 minutes at 291,000 C.F.P.D.

Reversed Out X Yes - No Mud Type Starch Viscosity 40 Weight 9.4 Water Loss 15 cc. Chlorides 126,000 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 Graves Drllg. Co. Length Drill Pipe? 2845 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 155 Ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 XH In. Length Drill Collars 91 Ft. I.D. Drill Collars 3 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 36 Ft.

Remarks: Slid tool 5' to bottom. Flowed gas cut mud in twelve minutes then flowed gassy oil in 30 minutes. 51°F. gravity. Gravity later checked at 49°F. gravity corrected.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-12-77

Test Ticket No. 22333

Recorder No. 3351 Capacity 4000 Location 3546 Ft.

Clock No. 9726 Elevation 1286 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1744</u> P.S.I.	Open Tool	<u>9:30P</u> M	
B First Initial Flow Pressure	<u>538</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>1155</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1494</u> P.S.I.	Second Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
E Second Initial Flow Pressure	<u>982</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>1163</u> P.S.I.			
G Final Closed-in Pressure	<u>1496</u> P.S.I.			
H Final Hydrostatic Mud	<u>1714</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>4</u> Inc.		Breakdown <u>20</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>538</u>	<u>0</u>	<u>1155</u>	<u>0</u>	<u>982</u>	<u>0</u>	<u>1163</u>
P 2 <u>5</u>	<u>703</u>	<u>3</u>	<u>1462</u>	<u>5</u>	<u>1029</u>	<u>3</u>	<u>1456</u>
P 3 <u>10</u>	<u>821</u>	<u>6</u>	<u>1476</u>	<u>10</u>	<u>1143</u>	<u>6</u>	<u>1472</u>
P 4 <u>15</u>	<u>934</u>	<u>9</u>	<u>1482</u>	<u>15</u>	<u>1167</u>	<u>9</u>	<u>1480</u>
P 5 <u>20</u>	<u>1048</u>	<u>12</u>	<u>1486</u>	<u>20</u>	<u>1163</u>	<u>12</u>	<u>1482</u>
P 6 <u>25</u>	<u>1117</u>	<u>15</u>	<u>1488</u>			<u>15</u>	<u>1486</u>
P 7 <u>30</u>	<u>1155</u>	<u>18</u>	<u>1490</u>			<u>18</u>	<u>1488</u>
P 8		<u>21</u>	<u>1491</u>			<u>21</u>	<u>1489</u>
P 9		<u>24</u>	<u>1492</u>			<u>24</u>	<u>1490</u>
P10		<u>27</u>	<u>1493</u>			<u>27</u>	<u>1491</u>
P11		<u>30</u>	<u>1494</u>			<u>30</u>	<u>1491</u>
P12						<u>33</u>	<u>1492</u>
P13						<u>36</u>	<u>1492</u>
P14						<u>39</u>	<u>1493</u>
P15						<u>42</u>	<u>1493</u>
P16						<u>45</u>	<u>1494</u>
P17						<u>48</u>	<u>1494</u>
P18						<u>51</u>	<u>1495</u>
P19						<u>54</u>	<u>1495</u>
P20						<u>57</u>	<u>1496</u>
						<u>60</u>	<u>1496</u>

TK+#22333

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