



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Graves Drilling Co. Lease & Well No. Carr # 2
Elevation 1981 Kelly Bushing Formation Lansing Effective Pay _____ Ft. Ticket No. 12999
Date 12-10-69 Sec. 36 Twp. 32s Range 15w County Barber State Kansas
Test Approved by Harold Steincamp Western Representative George Tew

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4330' to 4358' Total Depth 4358'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 4330 Ft. Size 6 3/4 Packer Depth 4325 Ft. Size 6 3/4
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 28 Ft. Size 5 1/2" OD

RECORDERS	Depth <u>4350</u> Ft.	Clock No. <u>6896</u>	Depth <u>4353</u> Ft.	Clock No. <u>9727</u>
	Top Make <u>Kuster</u> Cap. <u>4500</u> No. <u>3086</u>	Inside <u>Outside</u>	Bottom Make <u>Kuster</u> Cap. <u>4300</u> No. <u>1556</u>	Inside <u>Outside</u>
Below Straddle: Depth _____	Clock No. _____	Inside <u>Outside</u>	Depth _____	Clock No. _____
	Top Make _____ Cap. _____ No. _____	Inside <u>Outside</u>	Bottom Make _____ Cap. _____ No. _____	Inside <u>Outside</u>

Time Set Packer 5:42A M
Tool Open I.F.P. From 5:45 M. to 6:00A M. Hr. 15 Min. From (B) 108 P.S.I. To (C) 343 P.S.I.
Tool Closed I.C.I.P. From 6:00 M. to 6:45A M. Hr. 45 Min. (D) 1548 P.S.I.
Tool Open F.F.P. From 6:45 M. to 7:45A M. Hr. 60 Min. From (E) 396 P.S.I. To (F) 979 P.S.I.
Tool Closed F.C.I.P. From 7:45 M. to 8:30A M. Hr. 45 Min. (G) 1551 P.S.I.
Initial Hydrostatic Pressure (A) 2371 P.S.I. Final Hydrostatic Pressure (H) 2359 P.S.I.

SURFACE	Size Choke <u>3/4</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	M.	_____
	_____	_____	M.	_____
	_____	_____	M.	_____

BLOW Good decreasing to fair Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1800' salt water

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 45 Weight 10.1 Water Loss 18 cc. Maximum Temp. _____ °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size 4 1/2" OD Make WTC Ser. No. 407
EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Did Packer Hold? yes Where? _____
Length Drill Pipe 4177 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 120 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date 12-10-69 Test Ticket No. 12999
 Recorder No. 3086 Capacity 4500 Location 4350 Ft.
 Clock No. 6896 Elevation 1981 Kelly Bushing Well Temperature broke °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2371</u> P.S.I.	Open Tool	<u>5:42A</u> M	
B First Initial Flow Pressure	<u>108</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>343</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1548</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>72</u> Mins.
E Second Initial Flow Pressure	<u>396</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>979</u> P.S.I.			
G Final Closed-in Pressure	<u>1551</u> P.S.I.			
H Final Hydrostatic Mud	<u>2359</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of Min.

Second Flow Pressure
 Breakdown: 14 Inc.
 of 5 mins. and a
 final inc. of 2 Min.

Final Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>108</u>	<u>0</u>	<u>343</u>	<u>0</u>	<u>396</u>	<u>0</u>	<u>979</u>
P 2 <u>5</u>	<u>168</u>	<u>3</u>	<u>1527</u>	<u>5</u>	<u>398</u>	<u>3</u>	<u>1534</u>
P 3 <u>10</u>	<u>263</u>	<u>6</u>	<u>1546</u>	<u>10</u>	<u>462</u>	<u>6</u>	<u>1548</u>
P 4 <u>15</u>	<u>343</u>	<u>9</u>	<u>1548</u>	<u>15</u>	<u>547</u>	<u>9</u>	<u>1549</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>1548</u>	<u>20</u>	<u>598</u>	<u>12</u>	<u>1549</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>1548</u>	<u>25</u>	<u>668</u>	<u>15</u>	<u>1549</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>1548</u>	<u>30</u>	<u>692</u>	<u>18</u>	<u>1549</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1548</u>	<u>35</u>	<u>728</u>	<u>21</u>	<u>1549</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1548</u>	<u>40</u>	<u>769</u>	<u>24</u>	<u>1550</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1548</u>	<u>45</u>	<u>789</u>	<u>27</u>	<u>1550</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1548</u>	<u>50</u>	<u>884</u>	<u>30</u>	<u>1550</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>1548</u>	<u>55</u>	<u>878</u>	<u>33</u>	<u>1551</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>1548</u>	<u>60</u>	<u>911</u>	<u>36</u>	<u>1551</u>
P14 <u> </u>	<u> </u>	<u>39</u>	<u>1548</u>	<u>65</u>	<u>939</u>	<u>39</u>	<u>1551</u>
P15 <u> </u>	<u> </u>	<u>42</u>	<u>1548</u>	<u>70</u>	<u>966</u>	<u>42</u>	<u>1551</u>
P16 <u> </u>	<u> </u>	<u>45</u>	<u>1548</u>	<u>72</u>	<u>979</u>	<u>45</u>	<u>1551</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Graves Drlg Co.

TKT-12999

Corr #2

Test #1

