

Company Graves Drilling Company, Inc. Lease & Well No. Hospital #1
Elevation 1645 Ground Level Mississippi Effective Pay - Ft. Ticket No. 8681
Date 11/7/80 Sec. 7 Twp. 33S Range 12W County Barber State Kansas
Test Approved by Frederick W. Stump Western Representative Denis Wondra
Formation Test No. 1 Interval Tested from 4491 ft. to 4543 ft. Total Depth 4543 ft.
Packer Depth 4486 ft. Size 6 5/8 in. Packer Depth 4491 ft. Size 6 5/8 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set =
Top Recorder Depth (Inside) 4533 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 4536 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 60 I. D. 2.7 in.
Mud Type drispac Viscosity 47 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 20.0 cc. Drill Pipe Length 4410 I. D. 3.8 in.
Chlorides 16,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make -- Serial Number - Anchor Length 52 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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 in twelve minutes on initial flow period. See attached sheet for gas measurements.

Recovered 150 ft. of gas cut mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 6:48 ~~AM~~ P.M. Time Started Off Bottom 9:35 ~~AM~~ P.M. Maximum Temperature 122°
Initial Hydrostatic Pressure 2380 (A) P.S.I.
Initial Flow Period 15 Minutes (B) 89 P.S.I. to (C) 64 P.S.I.
Initial Closed In Period 39 Minutes (D) 415 P.S.I.
Final Flow Period 50 Minutes (E) 76 P.S.I. to (F) 64 P.S.I.
Final Closed In Period 39 Minutes (G) 392 P.S.I.
Final Hydrostatic Pressure 2337 (H) P.S.I.

GAS FLOW REPORT

Date 11/7/80 Ticket 8681 Company Graves Drilling Company, Inc.
Well Name and No. Hospital #1 Dst No. 1 Interval Tested 4491'-4543'
County Barber State Kansas Sec. 7 Twp. 33S Rg. 12W

[illegible]

SECOND FLOW

[illegible]

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 1½% 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 Graves Drilling Company, Inc.

Authorized by Frederick W. Stump

WESTERN TESTING CO., INC.

Pressure Data

Date 11-7-80 Test Ticket No. 8681

Recorder No. 3474 Capacity 3000 Location 4533 Ft.

Clock No. - Elevation 1645 Ground Level Well Temperature 122 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2380</u> P.S.I.	<u>6:48P</u> M	
B First Initial Flow Pressure	<u>89</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>64</u> P.S.I.	<u>45</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>415</u> P.S.I.	<u>60</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>76</u> P.S.I.	<u>45</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>64</u> P.S.I.		
G Final Closed-in Pressure	<u>392</u> P.S.I.		
H Final Hydrostatic Mud	<u>2337</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>13</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>13</u> Inc. of <u>3</u> mins. and a 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>89</u>	<u>0</u> <u>64</u>		<u>0</u> <u>76</u>		<u>0</u> <u>64</u>	
P 2	<u>5</u> <u>71</u>	<u>3</u> <u>227</u>		<u>5</u> <u>65</u>		<u>3</u> <u>274</u>	
P 3	<u>10</u> <u>65</u>	<u>6</u> <u>356</u>		<u>10</u> <u>62</u>		<u>6</u> <u>320</u>	
P 4	<u>15</u> <u>64</u>	<u>9</u> <u>379</u>		<u>15</u> <u>62</u>		<u>9</u> <u>344</u>	
P 5		<u>12</u> <u>394</u>		<u>20</u> <u>62</u>		<u>12</u> <u>358</u>	
P 6		<u>15</u> <u>400</u>		<u>25</u> <u>62</u>		<u>15</u> <u>367</u>	
P 7		<u>18</u> <u>406</u>		<u>30</u> <u>62</u>		<u>18</u> <u>373</u>	
P 8		<u>21</u> <u>409</u>		<u>35</u> <u>62</u>		<u>21</u> <u>380</u>	
P 9		<u>24</u> <u>411</u>		<u>40</u> <u>62</u>		<u>24</u> <u>382</u>	
P10		<u>27</u> <u>413</u>		<u>45</u> <u>64</u>		<u>27</u> <u>386</u>	
P11		<u>30</u> <u>414</u>		<u>50</u> <u>64</u>		<u>30</u> <u>388</u>	
P12		<u>33</u> <u>414</u>				<u>33</u> <u>390</u>	
P13		<u>36</u> <u>415</u>				<u>36</u> <u>391</u>	
P14		<u>39</u> <u>415</u>				<u>39</u> <u>392</u>	
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 8681

I

H

A

G

D

F

E

C

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