



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

Company Graves Drilling Co., Inc. Lease & Well No. Kostner #2
Elevation 1445 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 21288
Date 9-19-75 Sec. 36 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Fredrick W. Stump Western Representative Forrest Purnell
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3920' to 3938' Total Depth 3938'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3915 Ft. Size 63/64 Bottom Packer Depth 3920 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 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3930 Ft. Clock No. 6800 Depth 3933 Ft. Clock No. 9102
Top Make Kuster Cap. 4200 No. 1559 Inside ☐ Outside ☐ Bottom Make Kuster Cap. 3150 No. 1565 Inside ☐ Outside ☐
Below Straddle: Depth - Rec. No. - Clock No. - Inside ☐ Outside ☐ Depth - Rec. No. - Clock No. - Inside ☐ Outside ☐
Time Set Packer 12:42 A M
Tool Open I.F.P. From 12:45A M. to 1:00A M. - Hr. 15 Min. From (B) 194 P.S.I. To (C) 198 P.S.I.
Tool Closed I.C.I.P. From 1:00A M. to 1:30A M. - Hr. 30 Min (D) 1271 P.S.I.
Tool Open F.F.P. From 1:30A M. to 2:00A M. - Hr. 30 Min. From (E) 267 P.S.I. To (F) 411 P.S.I.
Tool Closed F.C.I.P. From 2:00A M. to 2:45A M. - Hr. 45 Min. (G) 1263 P.S.I.
Initial Hydrostatic Pressure (A) 2033 P.S.I. Final Hydrostatic Pressure (H) 2000 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Strong blow throughout test.. Gas to surface in 2 minutes, oil to surface in 40 minutes.

Did Well Flow Gas & Oil Yes ☐ No ☐ Recovery Total Ft. 60' heavy oil & gas cut drilling mud, 120' slightly oil & gas cut drilling mud.

Reversed Out ☐ Yes ☒ No ☐ Mud Type Impermex-oil Viscosity 42 Weight 9.4 Water Loss 8.8 cc. Chlorides 51,000 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 Drilling Co. Length Drill Pipe 3776 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 118 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 39 Ft.

Remarks: See attached sheet for gas measurements.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-19-75 Test Ticket No. 21288
 Recorder No. 1559 Capacity 4200 Location 3930 Ft.
 Clock No. 6800 Elevation 1445 Kelly Bushing Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2033</u>	P.S.I.	<u>12:42 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>194</u>	P.S.I.	<u>15</u>	<u>15</u> Mins.
C First Final Flow Pressure	<u>198</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1271</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>267</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>411</u>	P.S.I.		
G Final Closed-in Pressure	<u>1263</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2000</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>15</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>194</u>	<u>0</u>	<u>198</u>	<u>0</u>	<u>267</u>	<u>0</u>	<u>411</u>
P 2 <u>5</u>	<u>196</u>	<u>3</u>	<u>983</u>	<u>5</u>	<u>271</u>	<u>3</u>	<u>1146</u>
P 3 <u>10</u>	<u>198</u>	<u>6</u>	<u>1211</u>	<u>10</u>	<u>290</u>	<u>6</u>	<u>1186</u>
P 4 <u>15</u>	<u>198</u>	<u>9</u>	<u>1234</u>	<u>15</u>	<u>317</u>	<u>9</u>	<u>1213</u>
P 5		<u>12</u>	<u>1248</u>	<u>20</u>	<u>359</u>	<u>12</u>	<u>1225</u>
P 6		<u>15</u>	<u>1257</u>	<u>25</u>	<u>401</u>	<u>15</u>	<u>1236</u>
P 7		<u>18</u>	<u>1263</u>	<u>30</u>	<u>411</u>	<u>18</u>	<u>1240</u>
P 8		<u>21</u>	<u>1269</u>			<u>21</u>	<u>1244</u>
P 9		<u>24</u>	<u>1271</u>			<u>24</u>	<u>1248</u>
P10		<u>27</u>	<u>1271</u>			<u>27</u>	<u>1257</u>
P11		<u>30</u>	<u>1271</u>			<u>30</u>	<u>1259</u>
P12						<u>33</u>	<u>1259</u>
P13						<u>36</u>	<u>1259</u>
P14						<u>39</u>	<u>1259</u>
P15						<u>42</u>	<u>1259</u>
P16						<u>45</u>	<u>1263</u>
P17							
P18							
P19							
P20							

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **9-19-75** Ticket **21288** Company **Graves Drilling Company**
Well Name and No. **Kostner #2** Dst No. **1** Interval Tested **3920'-3938'**
County **Kingman** State **Kansas** Sec. **34 36** Twp. **28S** Rg. **6W**

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
12:50AM	5 min.	5.5 P.S.I.G.		1 1/4" choke		571,000 C.F.P.D.
12:55AM	5 min.	5.0 P.S.I.G.		1 1/4" choke		542,000 C.F.P.D.
1:00AM	5 min.	3.5 P.S.I.G.		1 1/4" choke		445,000 C.F.P.D.
Tool opened at 12:45 AM in pre-flow period. Gas to surface in 2 minutes.						

SECOND FLOW						
1:35 AM	5 min.	3 P.S.I.G.		1 1/4" choke		411,000 C.F.P.D.
1:40 AM	5 min.	2 P.S.I.G.		1 1/4" choke		332,000 C.F.P.D.
1:45 AM	5 min.	1 P.S.I.G.		1 1/4" choke		233,000 C.F.P.D.
1:50 AM	5 min.	2 P.S.I.G.		1 1/4" choke		332,000 C.F.P.D.
Tool opened at 1:30 AM in second flow period. All measurements were taken with a 2" merla orifice well tester through a 1 1/4" choke at 5 minute intervals. Gas to surface in 2 minutes and oil to surface in 25 minutes of final flow period.						

GAS BOTTLE

Serial No. **-** Date Bottle Filled **-** Date to be Invoiced **9-19-75**

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% per month, equal to 12% 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**

Authorized by **Fredrick W. Stump**

TKT # 21288
I

(H)

(H)

(G)

(D)

(F)

(E)

(C)

(B)

1559