



INC.
P. O. Box 1599
Wichita, Kansas 67201

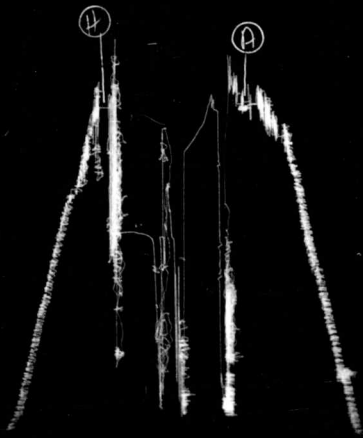
Company Graves Drilling Co., Inc. Lease & Well No. Victor #1
Elevation 1439 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 24276
Date 1-6-76 Sec. 36 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Fred Stump Western Representative Charles Branstetter
Formation Test No. 1 O.K. - Misrun X Interval Tested From 3919' to 3938' Total Depth 3938'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No X
Top Packer Depth 3914' Ft. Size 6 3/4 Bottom Packer Depth 3919 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 19 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3931 Ft. Clock No. 6896 Depth 3934 Ft. Clock No. 6866
Top Make Kuster Cap. 4400 No. 2603 Inside Bottom Make Kuster Cap. 4500 No. 3085 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside
Time Set Packer 4:58 P. M
Tool Open I.F.P. From 5:00P M. to 5:07P M. - Hr. 7 Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From 5:07P M. to 5:37P M. - Hr. 30 Min (D) - P.S.I.
Tool Open F.F.P. From 5:37P M. to 5:57P M. - Hr. 20 Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From 5:57P M. to 6:27P M. - Hr. 30 Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) 2067 P.S.I. Final Hydrostatic Pressure (H) 2046 P.S.I. Maximum Temp. 118

INFORMATION

BLOW MISRUN
Did Well Flow - Yes X No - Recovery Total Ft. 90' drilling mud.
Reversed Out - Yes X No - Mud Type starch Viscosity 45 Weight 9.2 Water Loss 12 cc. Chlorides 47,000 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer yes Did Packers Hold? yes Did Tool Plug? yes Where? anchor and tool
DRILLING CONTRACTOR Graves Drlg. Co. Inc. Length Drill Pipe? 3809 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 90 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 39 Ft.
Remarks: Slid tool 15' plugged tool. Misrun plugged tool and anchor

TAT # 24276

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INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Graves Drilling Co. Inc. Lease & Well No. Victor #1
Elevation 1439 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 24277
Date 1-7-76 Sec. 36 Twp. 28S Range 6W County Kingman State Kansas
Test Approved by Fred Stump Western Representative Charles Branstetter
Formation Test No. 2 O.K. X Misrun - Interval Tested From 3919' to 3938' Total Depth 3938'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 3914 Ft. Size 6 3/4 Bottom Packer Depth 3919 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 19 Ft. Size 5 1/2 OD Surface Choke Size 1 1/2 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3931 Ft. Clock No. 6896 Depth 3934 Ft. Clock No. 6866
Top Make Kuster Cap. 4400 No. 2603 Inside Bottom Make Kuster Cap. 4500 No. 3085 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside
Time Set Packer 5:57 P. M
Tool Open I.F.P. From 6:00P M. to 6:10P M. - Hr. 10 Min. From (B) 404 P.S.I. To (C) 404 P.S.I.
Tool Closed I.C.I.P. From 6:10P M. to 6:40P M. - Hr. 30 Min (D) 1210 P.S.I.
Tool Open F.F.P. From 6:40P M. to 7:40P M. - Hr. 60 Min. From (E) 473 P.S.I. To (F) 346 P.S.I.
Tool Closed F.C.I.P. From 7:40P M. to 8:10P M. - Hr. 30 Min. (G) 993 P.S.I.
Initial Hydrostatic Pressure (A) 2017 P.S.I. Final Hydrostatic Pressure (H) 2067 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Very strong blow diminishing slightly at end of test. Gas to surface in 2 minutes.
(see attached sheet)

Did Well Flow GAS Yes - No Recovery Total Ft. 180' gassy oil. 120' oil cut water.

Reversed Out X Yes - No Mud Type starch Viscosity 45 Weight 9.2 Water Loss 12. cc. Chlorides 47,000 P.P.M.

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 Drlg. Co. Inc. Length Drill Pipe? 3808 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 90 Ft. I.D. Drill Collars 2.25 In.

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

Remarks: For gas measurements see attached sheet.

WESTERN TESTING CO., INC.

Pressure Data

Date 1-7-76 Test Ticket No. 24277
 Recorder No. 2603 Capacity 4400 Location 3931 Ft.
 Clock No. 6896 Elevation 1439 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2017</u> P.S.I.	Open Tool	<u>5:57 P.</u> M	
B First Initial Flow Pressure	<u>404</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>404</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1210</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>473</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>346</u> P.S.I.			
G Final Closed-in Pressure	<u>993</u> P.S.I.			
H Final Hydrostatic Mud	<u>2067</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>11</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>404</u>	<u>0</u>	<u>404</u>	<u>0</u>	<u>473</u>	<u>0</u>	<u>346</u>
P 2 <u>5</u>	<u>404</u>	<u>3</u>	<u>1044</u>	<u>5</u>	<u>462</u>	<u>3</u>	<u>686</u>
P 3 <u>10</u>	<u>404</u>	<u>6</u>	<u>1102</u>	<u>10</u>	<u>440</u>	<u>6</u>	<u>759</u>
P 4		<u>9</u>	<u>1130</u>	<u>15</u>	<u>415</u>	<u>9</u>	<u>809</u>
P 5		<u>12</u>	<u>1151</u>	<u>20</u>	<u>393</u>	<u>12</u>	<u>847</u>
P 6		<u>15</u>	<u>1167</u>	<u>25</u>	<u>378</u>	<u>15</u>	<u>876</u>
P 7		<u>18</u>	<u>1178</u>	<u>30</u>	<u>368</u>	<u>18</u>	<u>905</u>
P 8		<u>21</u>	<u>1189</u>	<u>35</u>	<u>362</u>	<u>21</u>	<u>929</u>
P 9		<u>24</u>	<u>1197</u>	<u>40</u>	<u>356</u>	<u>24</u>	<u>949</u>
P10		<u>27</u>	<u>1203</u>	<u>45</u>	<u>352</u>	<u>27</u>	<u>967</u>
P11		<u>30</u>	<u>1210</u>	<u>50</u>	<u>348</u>	<u>30</u>	<u>982</u>
P12				<u>55</u>	<u>347</u>	<u>33</u>	<u>993</u>
P13				<u>60</u>	<u>346</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



INC.

P. O. Box 1599
Wichita, Kansas 67201**GAS FLOW REPORT**

Date 1-7-76 Ticket 24277 Company Graves Drilling Co., Inc.
Well Name and No. Victor #1 Dst No. 2 Interval Tested 3919' to 3938'
County Kingman State Kansas Sec. 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						
6:05 PM	5 min.	12 PSIG	1½" choke			1,420,000 C.F.P.D.
6:10 PM	10 min.	28 PSIG	1½" choke			2,441,000 C.F.P.D.
Tool opened at 6:00 P.M. Gas to surface in 2 minutes.						

SECOND FLOW						
6:45 PM	15 min.	25 PSIG	1½" choke			2,258,000 C.F.P.D.
6:55 PM	25 min.	26 PSIG	1½" choke			2,319,000 C.F.P.D.
7:00 PM	30 min.	22 PSIG	1½" choke			2,075,000 C.F.P.D.
7:05 PM	35 min.	20 PSIG	1½" choke			1,949,000 C.F.P.D.
7:10 PM	40 min.	18 PSIG	1½" choke			1,824,000 C.F.P.D.
7:20 PM	50 min.	16 PSIG	1½" choke			1,694,000 C.F.P.D.
7:30 PM	60 min.	14 PSIG	1½" choke			1,559,000 C.F.P.D.
7:40 PM	70 min.	14 PSIG	1½" choke			1,559,000 C.F.P.D.

GAS BOTTLE

Serial No. 609 Date Bottle Filled 1-7-76 Date to be Invoiced 1-7-76

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 Co., Inc.

Authorized by Fred Stump

TAT # 24277

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