



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Graves Drilling Company, Inc. Lease & Well No. Cline #1
Elevation 1990 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 5814
Date 4/18/80 Sec. 29 Twp. 32S Range 14W County Barber State Kansas
Test Approved by Clyde R. Kuhn Western Representative Jim Wondra - Roger Mount

Formation Test No. 1 Interval Tested from 4246 ft. to 4256 ft. Total Depth 4256 ft.

Packer Depth 4241 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4246 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4248 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4251 ft. Recorder Number 3351 Cap. 4000

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type premix Viscosity 47 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 14.8 cc. Drill Pipe Length 4105 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 10 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 flow periods. (Spray of water on second flow)

Gas to surface in two minutes on preflow. See attached sheet for gas

Recovered measurements.

Recovered 450 ft. of salt water (161,000 chlorides ppm)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set	Packer(s)	A.M. P.M.	Time Started	Off Bottom	A.M. P.M.	Maximum Temperature
	<u>11:10</u>				<u>1:50</u>	<u>121°</u>
Initial Hydrostatic Pressure				(A) <u>2204</u>	P.S.I.	
Initial Flow Period			Minutes <u>10</u>	(B) <u>349</u>	P.S.I. to (C)	<u>691</u> P.S.I.
Initial Closed In Period			Minutes <u>48</u>	(D) <u>1455</u>	P.S.I.	
Final Flow Period			Minutes <u>60</u>	(E) <u>645</u>	P.S.I. to (F)	<u>931</u> P.S.I.
Final Closed In Period			Minutes <u>48</u>	(G) <u>1449</u>	P.S.I.	
Final Hydrostatic Pressure				(H) <u>2183</u>	P.S.I.	



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GAS FLOW REPORT

Date 4/18/80 Ticket 5814 Company Graves Drilling Company, Inc.
Well Name and No. Cline #1 Dst No. 1 Interval Tested 4246'-4256'
County Barber State Kansas Sec. 29 Twp. 32S Rg. 14W

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
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Gas to surface in two minutes. **PRE FLOW**

	5 min.	38 lbs.	1½" orifice			3,036,000 CFPD
	10 min.	50 lbs.	1½" orifice			3,752,000 CFPD

SECOND FLOW

	5 min.	28 lbs.	2" orifice			4,070,000 CFPD
	10 min.	28 lbs.	2" orifice			4,070,000 CFPD
	20 min.	28 lbs.	2" orifice			4,070,000 CFPD
	30 min.	28 lbs.	2" orifice			4,070,000 CFPD
	40 min.	28 lbs.	2" orifice			4,070,000 CFPD
	50 min.	28 lbs.	2" orifice			4,070,000 CFPD
	60 min.	28 lbs.	2" orifice			4,070,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled ---- Date to be Invoiced 4/18/80

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 Jim Wondra - Roger Mounts

WESTERN TESTING CO., INC.

Pressure Data

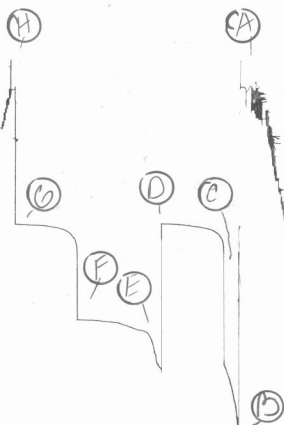
Date 4/18/80 Test Ticket No. 5814
 Recorder No. 2607 Capacity 4150 Location 4248 Ft.
 Clock No. -- Elevation 1990 Kelly Bushing Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2204 P.S.I.	Open Tool	11:10A M	
B First Initial Flow Pressure	349 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C First Final Flow Pressure	691 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1455 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	645 P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	931 P.S.I.			
G Final Closed-in Pressure	1449 P.S.I.			
H Final Hydrostatic Mud	2183 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>16</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>349</u>	<u>0</u>	<u>691</u>	<u>0</u>	<u>645</u>	<u>0</u>	<u>931</u>
P 2 <u>5</u>	<u>549</u>	<u>3</u>	<u>1361</u>	<u>5</u>	<u>764</u>	<u>3</u>	<u>1359</u>
P 3 <u>10</u>	<u>691</u>	<u>6</u>	<u>1395</u>	<u>10</u>	<u>859</u>	<u>6</u>	<u>1390</u>
P 4		<u>9</u>	<u>1409</u>	<u>15</u>	<u>874</u>	<u>9</u>	<u>1409</u>
P 5		<u>12</u>	<u>1423</u>	<u>20</u>	<u>885</u>	<u>12</u>	<u>1422</u>
P 6		<u>15</u>	<u>1430</u>	<u>25</u>	<u>897</u>	<u>15</u>	<u>1428</u>
P 7		<u>18</u>	<u>1434</u>	<u>30</u>	<u>910</u>	<u>18</u>	<u>1432</u>
P 8		<u>21</u>	<u>1439</u>	<u>35</u>	<u>916</u>	<u>21</u>	<u>1437</u>
P 9		<u>24</u>	<u>1443</u>	<u>40</u>	<u>921</u>	<u>24</u>	<u>1442</u>
P10		<u>27</u>	<u>1445</u>	<u>45</u>	<u>924</u>	<u>27</u>	<u>1445</u>
P11		<u>30</u>	<u>1447</u>	<u>50</u>	<u>927</u>	<u>30</u>	<u>1445</u>
P12		<u>33</u>	<u>1449</u>	<u>55</u>	<u>929</u>	<u>33</u>	<u>1446</u>
P13		<u>36</u>	<u>1451</u>	<u>60</u>	<u>931</u>	<u>36</u>	<u>1447</u>
P14		<u>39</u>	<u>1452</u>			<u>39</u>	<u>1448</u>
P15		<u>42</u>	<u>1453</u>			<u>42</u>	<u>1448</u>
P16		<u>45</u>	<u>1454</u>			<u>45</u>	<u>1449</u>
P17		<u>48</u>	<u>1455</u>			<u>48</u>	<u>1449</u>
P18							
P19							
P20							

TKt # 5814
I



TKt # 5814
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