

Company Graves Drilling Company, Inc. Lease & Well No. Gibson #1
 Elevation 1801 Kelly Bushing Formation Douglas Sand Effective Pay ---- Ft. Ticket No. 8529
 Date 10/29/80 Sec. 30 Twp. 32S Range 12W County Barber State Kansas
 Test Approved by Fredrick W. Stump Western Representative Jeff Piotrowski
 Formation Test No. 1 Interval Tested from 3954 ft. to 3979 ft. Total Depth 3979 ft.
 Packer Depth 3954 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3979 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3957 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 3976 ft. Recorder Number 1565 Cap. 4900
 Below Straddle Recorder Depth 4690 ft. Recorder Number 1561 Cap. 3200
 Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 240 I. D. 2.2 in.
 Mud Type drispac Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 28 cc. Drill Pipe Length 4405 I. D. 3.8 in.
 Chlorides 17,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 25 ft. Size 5 1/2 OD in.
 Did Well Flow? No 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: Fair blow building to strong initial flow period. Strong blow through final flow period.

Recovered 120 ft. of watery mud
 Recovered 480 ft. of water
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks:

Time Set Packer(s) 6:55 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 9:10 ~~P.M.~~ ^{A.M.} Maximum Temperature 123°
 Initial Hydrostatic Pressure 2030 P.S.I.
 Initial Flow Period 15 Minutes (B) 49 P.S.I. to (C) 115 P.S.I.
 Initial Closed In Period 30 Minutes (D) 713 P.S.I.
 Final Flow Period 60 Minutes (E) 148 P.S.I. to (F) 320 P.S.I.
 Final Closed In Period 30 Minutes (G) 686 P.S.I.
 Final Hydrostatic Pressure 2019 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 10/29/80 Recorder No. 5673 Capacity 5400 Test Ticket No. 8529
 Clock No. - Elevation 1801 Kelly Bushing Location 3957 Ft. 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2030 P.S.I.	Open Tool	6:55A	M
B First Initial Flow Pressure	49 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	115 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	713 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	148 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	320 P.S.I.			
G Final Closed-in Pressure	686 P.S.I.			
H Final Hydrostatic Mud	2019 P.S.I.			

PRESSURE BREAKDOWN

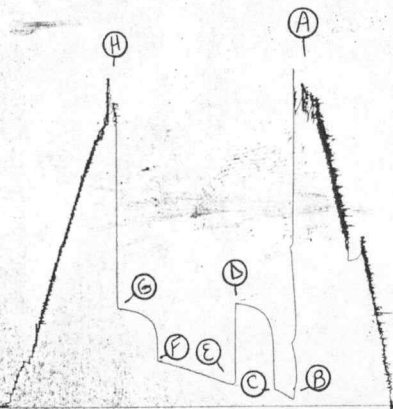
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</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>49</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>148</u>	<u>0</u>	<u>320</u>
P 2 <u>5</u>	<u>74</u>	<u>3</u>	<u>546</u>	<u>5</u>	<u>156</u>	<u>3</u>	<u>566</u>
P 3 <u>10</u>	<u>98</u>	<u>6</u>	<u>617</u>	<u>10</u>	<u>169</u>	<u>6</u>	<u>603</u>
P 4 <u>15</u>	<u>115</u>	<u>9</u>	<u>650</u>	<u>15</u>	<u>191</u>	<u>9</u>	<u>626</u>
P 5		<u>12</u>	<u>672</u>	<u>20</u>	<u>210</u>	<u>12</u>	<u>642</u>
P 6		<u>15</u>	<u>683</u>	<u>25</u>	<u>227</u>	<u>15</u>	<u>656</u>
P 7		<u>18</u>	<u>694</u>	<u>30</u>	<u>240</u>	<u>18</u>	<u>664</u>
P 8		<u>21</u>	<u>702</u>	<u>35</u>	<u>256</u>	<u>21</u>	<u>669</u>
P 9		<u>24</u>	<u>705</u>	<u>40</u>	<u>273</u>	<u>24</u>	<u>678</u>
P10		<u>27</u>	<u>710</u>	<u>45</u>	<u>287</u>	<u>27</u>	<u>683</u>
P11		<u>30</u>	<u>713</u>	<u>50</u>	<u>301</u>	<u>30</u>	<u>686</u>
P12				<u>55</u>	<u>311</u>		
P13				<u>60</u>	<u>320</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

5673

DST #1

TKT # 8529

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1561

DST #1

TKT #8529

BELOW STRADDLE

