

Dutton Oil Company

Heath #1

Company _____ Lease & Well No. _____

Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 6081Date 4/26/80 Sec. 7 Twp. 32S Range 9W County Harper State KansasTest Approved by Lee Poulsen Western Representative Stuart StoverFormation Test No. 1 Interval Tested from 4322 ft. to 4342 ft. Total Depth 4342 ft.Packer Depth 4317 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Packer Depth 4322 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Depth of Selective Zone Set -Top Recorder Depth (Inside) 4327 ft. Recorder Number 11018 Cap. 4425Bottom Recorder Depth (Outside) 4330 ft. Recorder Number 11019 Cap. 4500Below Straddle Recorder Depth - ft. Recorder Number - Cap. -Drilling Contractor Dunbar Drilling Co. Drill Collar Length 187 I. D. 2 1/2 in.Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.Weight 9.7 Water Loss 14.4 cc. Drill Pipe Length 4114 I. D. 4.0 in.Chlorides 49,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.Jars: Make - Serial Number - Anchor Length 20 ft. Size 4 1/2 in.Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.Blow: Strong. Gas to surface in fourteen minutes. See attached sheet for gas measurements.Recovered 90 ft. of oil and gas cut mudRecovered 60 ft. of heavy oil and gas cut mudRecovered 240 ft. of clean gassy oilRecovered - ft. of -Recovered - ft. of -

Remarks: _____

Time Set Packer(s) 3:00 AM Time Started Off Bottom 6:00 AM Maximum Temperature 110°Initial Hydrostatic Pressure (A) 2218 P.S.I.Initial Flow Period Minutes 35 (B) 116 P.S.I. to (C) 103 P.S.I.Initial Closed In Period Minutes 30 (D) 1126 P.S.I.Final Flow Period Minutes 60 (E) 138 P.S.I. to (F) 164 P.S.I.Final Closed In Period Minutes 66 (G) 1112 P.S.I.Final Hydrostatic Pressure (H) 2191 P.S.I.

GAS FLOW REPORT

Date 4/26/80 Ticket 6081 Company Dunbar Oil Company
 Well Name and No. Heath #1 Dst No. 1 Interval Tested 4322' - 4342'
 County Harper State Kansas Sec. 7 Twp. 32S Rg. 9W

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						
	15 min.	2.5 lbs.	1/4" orifice			14,300 CFPD
	30 min.	8.5 lbs.	1/4" orifice			28,000 CFPD

SECOND FLOW						
	15 min.	11.0 lbs.	1/4" orifice			32,400 CFPD
	30 min.	11.0 lbs.	1/4" orifice			32,400 CFPD
	45 min.	11.0 lbs.	1/4" orifice			32,400 CFPD
	60 min.	10.0 lbs.	1/4" orifice			30,800 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 4/26/80

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 1 1/2% 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 DUTTON OIL COMPANY
 Authorized by Lee Poulsen

WESTERN TESTING CO., INC.

Pressure Data

Date 4/26/80 Test Ticket No. 6081
 Recorder No. 11018 Capacity 4425 Location 4327 Ft.
 Clock No. ----- Elevation ----- Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	2218 P.S.I.	3:00P M	
B. First Initial Flow Pressure	116 P.S.I.	30 Mins.	35 Mins.
C. First Final Flow Pressure	103 P.S.I.	30 Mins.	30 Mins.
D. Initial Closed-in Pressure	1126 P.S.I.	60 Mins.	60 Mins.
E. Second Initial Flow Pressure	138 P.S.I.	60 Mins.	66 Mins.
F. Second Final Flow Pressure	164 P.S.I.		
G. Final Closed-in Pressure	1112 P.S.I.		
H. Final Hydrostatic Mud	2191 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>22</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>	116	<u>0</u>	103	<u>0</u>	138	<u>0</u>	164
P 2 <u>5</u>	113	<u>3</u>	504	<u>5</u>	131	<u>3</u>	378
P 3 <u>10</u>	110	<u>6</u>	715	<u>10</u>	127	<u>6</u>	511
P 4 <u>15</u>	112	<u>9</u>	832	<u>15</u>	129	<u>9</u>	593
P 5 <u>20</u>	108	<u>12</u>	918	<u>20</u>	134	<u>12</u>	648
P 6 <u>25</u>	103	<u>15</u>	976	<u>25</u>	139	<u>15</u>	691
P 7 <u>30</u>	103	<u>18</u>	1024	<u>30</u>	144	<u>18</u>	728
P 8 <u>35</u>		<u>21</u>	1053	<u>35</u>	147	<u>21</u>	783
P 9		<u>24</u>	1082	<u>40</u>	150	<u>24</u>	878
P10		<u>27</u>	1108	<u>45</u>	153	<u>27</u>	883
P11		<u>30</u>	1126	<u>50</u>	157	<u>30</u>	925
P12				<u>55</u>	160	<u>33</u>	958
P13				<u>60</u>	164	<u>36</u>	980
P14						<u>39</u>	1002
P15						<u>42</u>	1020
P16						<u>45</u>	1037
P17						<u>48</u>	1050
P18						<u>51</u>	1063
P19						<u>54</u>	1075
P20						<u>57</u>	1087
						<u>60</u>	1099
						<u>63</u>	1108
						<u>66</u>	1112

DST #1

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