



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 1139

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1286 KB Formation Mississippi Eff. Pay Ft.

District Augustaw Date 10 Feb 79 Customer Order No.

COMPANY NAME Hoppe Oil & Gas

ADDRESS 1021 East Waterman Suite 6 Wichita Kansas

LEASE AND WELL NO. Winfield #1 COUNTY Cowley STATE Kan Sec. 16 Twp 31S Rge 5E

Mail Invoice To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 3

Formation Test No. 1 Interval Tested from 3025 ft. to 3035 ft. Total Depth 3035 ft. Packer Depth 3025 ft. Size 6 3/4 in. Packer Depth - ft. Size - in. Packer Depth - ft. Size - in. Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3029 ft. Recorder Number 969 Cap. 4200 Bottom Recorder Depth (Outside) 3032 ft. Recorder Number 2603 Cap. 4400 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis #5 Mud Type Chemical Viscosity 46 Weight 9.7 Water Loss 10.4 cc. Chlorides 1500 P.P.M. Jars: Make - Serial Number - Did Well Flow? No Reversed Out No Drill Collar Length 340 I. D. 2 1/4 in. Weight Pipe Length - I. D. - in. Drill Pipe Length 2670 I. D. 3.8 in. Test Tool Length 25 in. Tool Size 5 1/2 in. Anchor Length 10 ft. Size 5 1/2 in. 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: weak unengaging to pipe below on initial opening / weak blow on final flow period

Recovered 20 ft. of oil cut mud Recovered - ft. of Recovered - ft. of Recovered - ft. of Recovered - ft. of Remarks:

RECEIVED FEB 12 1979

Time Set Packer(s) 5:50 A.M. Time Started Off Bottom 8:35 A.M. Maximum Temperature 111 degrees Initial Hydrostatic Pressure (A) 1518 P.S.I. Initial Flow Period 30 Minutes (B) 26 P.S.I. to (C) 26 P.S.I. Initial Closed In Period 30 Minutes (D) 71 P.S.I. Final Flow Period 60 Minutes (E) 38 P.S.I. to (F) 38 P.S.I. Final Closed In Period 48 Minutes (G) 174 P.S.I. Final Hydrostatic Pressure (H) 1539 P.S.I.

COMPANY TERMS Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. Test Approved By [Signature] Signature of Customer or his authorized representative Western Representative W.K. Hager Thank You!

FIELD INVOICE Open Hole Test \$ 440.00 Misrun \$ Straddle Test \$ Jars \$ Selective Zone \$ Safety Joint \$ Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage \$ Extra Charts \$ TOTAL \$ 440.00

WESTERN TESTING CO., INC.
Pressure Data

Date 2-10-49

Test Ticket No. 1139

Recorder No. 969

Capacity 4200

Location 3029 Ft.

Clock No. _____ Elevation 1286 KB

Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1542</u> 1542	P.S.I.	<u>5:50 AM</u>	
B. First Initial Flow Pressure	<u>20</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>22</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>92</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E. Second Initial Flow Pressure	<u>41</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
F. Second Final Flow Pressure	<u>31</u>	P.S.I.		
G. Final Closed-in Pressure	<u>195</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1538</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>20</u>	0	<u>22</u>	0	<u>41</u>	0	<u>31</u>
P 2 5	<u>22</u>	3	<u>23</u>	5	<u>33</u>	3	<u>41</u>
P 3 10		6	<u>27</u>	10	<u>29</u>	6	<u>47</u>
P 4 15		9	<u>31</u>	15	<u>29</u>	9	<u>53</u>
P 5 20		12	<u>41</u>	20	<u>29</u>	12	<u>63</u>
P 6 25		15	<u>47</u>	25	<u>31</u>	15	<u>72</u>
P 7 30	<u>22</u>	18	<u>57</u>	30	<u>31</u>	18	<u>80</u>
P 8 35		21	<u>65</u>	35		21	<u>90</u>
P 9 40		24	<u>76</u>	40		24	<u>96</u>
P 10 45		27	<u>84</u>	45		27	<u>104</u>
P 11 50		30	<u>92</u>	50		30	<u>117</u>
P 12 55		33		55		33	<u>129</u>
P 13 60		36		60	<u>31</u>	36	<u>141</u>
P 14		39		65		39	<u>152</u>
P 15		42		70		42	<u>164</u>
P 16		45		75		45	<u>174</u>
P 17		48		80		48	<u>195</u>
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

Company Hoppe Oil & Gas Company Lease & Well No. Winfield #1
 Elevation 1286 Kelly Bushing Mississippi Formation Effective Pay -- Ft. Ticket No. 1139
 Date 2/10/79 Sec. 16 Twp. 31S Range 5E County Cowley State Kansas
 Test Approved by Don Pate Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 3025' ft. to 3035' ft. Total Depth 3035' ft.
 Packer Depth 3025 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3029 ft. Recorder Number 969 Cap. 4200
 Bottom Recorder Depth (Outside) 3032 ft. Recorder Number 2603 Cap. 4400
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor White & Ellis #5 Drill Collar Length 340 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 46 Weight Pipe Length -- I. D. -- in.
 Weight 9.7 Water Loss 10.4 cc. Drill Pipe Length 2670 I. D. 3.8 in.
 Chlorides 1,500 P.P.M. Test Tool Length 25' ~~ft.~~ Tool Size 5 1/2 in.
 Jars: Make -- Serial Number -- Anchor Length 10' ft. Size 5 1/2 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: Weak increasing to fair blow on initial opening/weak blow on final flow period.

Recovered 20 ft. of oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 5:50 ^{A.M.}/_{P.M.} Time Started Off Bottom 8:35 ^{A.M.}/_{P.M.} Maximum Temperature 111
 Initial Hydrostatic Pressure 1542 (A) P.S.I.
 Initial Flow Period 30 (B) 20 P.S.I. to (C) 22 P.S.I.
 Initial Closed In Period 30 (D) 92 P.S.I.
 Final Flow Period 60 (E) 41 P.S.I. to (F) 31 P.S.I.
 Final Closed In Period 45 (G) 195 P.S.I.
 Final Hydrostatic Pressure 1538 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/10/79 Test Ticket No. 1139
 Recorder No. 969 Capacity 4200 Location 3029 Ft.
 Clock No. -- Elevation 1286 Kelly Bushing Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1542	P.S.I.	5:50A	M
B First Initial Flow Pressure	20	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	22	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	92	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	41	P.S.I.	45	Mins. 48 Mins.
F Second Final Flow Pressure	31	P.S.I.		
G Final Closed-in Pressure	195	P.S.I.		
H Final Hydrostatic Mud	1538	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	22	0	41	0	31
P 2	5	3	23	5	33	3	41
P 3	10	6	27	10	29	6	47
P 4	15	9	31	15	29	9	53
P 5	20	12	41	20	29	12	63
P 6	25	15	47	25	31	15	72
P 7	30	18	57	30	31	18	80
P 8		21	65	35	31	21	90
P 9		24	76	40	31	24	96
P10		27	84	45	31	27	104
P11		30	92	50	31	30	117
P12				55	31	33	129
P13				60	31	36	141
P14						39	152
P15						42	164
P16						45	174
P17						48	195
P18							
P19							
P20							