



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 4782

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

Elevation 1759 KB Formation Lansing Eff. Pay — Ft.

District Great Bend Date 3/21/80 Customer Order No. —

COMPANY NAME Parrish Oil Co. & H-30 Inc.

ADDRESS 180 North Market Street, Wichita, Ks 67202

LEASE AND WELL NO. Bersheid #1 COUNTY Barton STATE Ks Sec. 12 Twp. 20S Rge. 11W

Mail Invoice To Same As Above Co. Name Bersheid #1 Address — No. Copies Requested 5

Mail Charts To Same As Above Address — No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3030 ft. to 3100 ft. Total Depth 3100 ft.
Packer Depth 3030 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) 3033 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 3036 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor H-30 Rig II Drill Collar Length — I. D. — in.
Mud Type STARCH Viscosity 36 Weight Pipe Length — I. D. — in.
Weight 10 Water Loss 13.4 cc. Drill Pipe Length 3009 I. D. 3.8 in.
Chlorides 85,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make — Serial Number — Anchor Length 70 ft. Size 5 1/2 OD in.
Did Well Flow? N/O Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size — in.

Blow: Weak, decreasing through out first opening, weak steady blow through out second opening.

Recovered 45 ft. of Drill Mud With Few Spts of Oil In Top 10 Feet.
Recovered — ft. of Trace of Oil on Top of Tool.

Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Remarks: PSI From Rec 3659

RECEIVED
MAR 24 1980
RECEIVED

Time Set Packer(s) 7:37 A.M. Time Started Off Bottom 11:40 A.M. Maximum Temperature 100
Initial Hydrostatic Pressure 1623 P.S.I.
Initial Flow Period 30 Minutes (B) 40 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period 60 Minutes (D) 110 P.S.I.
Final Flow Period 60 Minutes (E) 40 P.S.I. to (F) 40 P.S.I.
Final Closed In Period 90 Minutes (G) 91 P.S.I.
Final Hydrostatic Pressure 1613 P.S.I. (H)

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 Glenn Parrish
Signature of Customer or his authorized representative

Western Representative Dennis Warden Thank you
Jane Eberhart

FIELD INVOICE

Open Hole Test \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —
TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-80Test Ticket No. 4782Recorder No. 3659Capacity 3000Location 3032 Ft.Clock No. _____ Elevation 1759 KBWell Temperature 100 °F

Point

Pressure

Time
GivenTime
Computed

A Initial Hydrostatic Mud 1598 P.S.I.
 B First Initial Flow Pressure 59 P.S.I.
 C First Final Flow Pressure 41 P.S.I.
 D Initial Closed-in Pressure 112 P.S.I.
 E Second Initial Flow Pressure 68 P.S.I.
 F Second Final Flow Pressure 42 P.S.I.
 G Final Closed-in Pressure 87 P.S.I.
 H Final Hydrostatic Mud 1589 P.S.I.

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

7:37 A M30 Mins. 30 Mins.60 Mins. 54 Mins.60 Mins. 60 Mins.90 Mins. 84 Mins.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.of 5 mins. and afinal inc. of 0 Min.

Initial Shut-In

Breakdown: 18 Inc.of 3 mins. and afinal inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 Inc.of 5 mins. and afinal inc. of 0 Min.

Final Shut-In

Breakdown: 28 Inc.of 3 mins. and afinal inc. of 0 Min.Point
Mins.

Press.

Point
Minutes

Press.

Point
Minutes

Press.

Point
Minutes

Press.

P 1 0 59
 P 2 5 45
 P 3 10 43
 P 4 15 42
 P 5 20 42
 P 6 25 41
 P 7 30 41
 P 8 35 _____
 P 9 40 _____
 P10 45 _____
 P11 50 _____
 P12 55 _____
 P13 60 _____
 P14 _____
 P15 _____
 P16 _____
 P17 _____
 P18 _____
 P19 _____
 P20 _____

0 41
3 42
6 45
9 47
12 49
15 53
18 59
21 63
24 64
27 67
30 71
33 76
36 82
39 88
42 94
45 98
48 104
51 108
54 112
57 _____
60 _____

0 68
5 49
10 45
15 44
20 _____
25 _____
30 _____
35 _____
40 44
45 43
50 42
55 42
60 42
65 _____
70 _____
75 _____
80 _____
85 _____
90 _____

0 42
3 43
6 44
9 45
12 47
15 48
18 49
21 51
24 53
27 55
30 57
33 58
36 59
39 60
42 62
45 63
48 64
51 66
54 67
57 69
60 71

Dmit

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4782

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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		63				63	73
P 2		66				66	75
P 3		69				69	78
P 4		72				72	80
P 5		75				75	82
P 6		78				78	84
P 7		81				81	86
P 8		84				84	87
P 9		87				87	
P10		90				90	
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Parrish Oil Company & H-30, Inc. Lease & Well No. Bersheidt #1
Elevation 1759 Kelly Bushing Lansing Formation Effective Pay ----- Ft. Ticket No. 4782
Date 3/21/80 Sec. 12 Twp. 20S Range 11W County Barton State Kansas
Test Approved by Lloyd Parrish Western Representative Denis Wondra-Gene Eberhar

Formation Test No. 1 Interval Tested from 3030 ft. to 3100 ft. Total Depth 3100 ft.
Packer Depth 3030 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) 3033 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 3036 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drilling Rig #11 Drill Collar Length = I. D. = in.

Mud Type starch Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 10 Water Loss 13.4 cc. Drill Pipe Length 3009 I. D. 3.8 in.

Chlorides 85,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 70 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size - in.

Blow: Weak decreasing throughout first opening; weak steady blow throughout second opening.

Recovered 45 ft. of drilling mud with few spots of oil in top ten feet.

Recovered - ft. of trace of oil on top of tool.

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

PSI FROM RECORDER #3659

Recovered - ft. of

Remarks:

Time Set Packer(s) 7:37 A.M. P.M. Time Started Off Bottom 11:40 A.M. P.M. Maximum Temperature 100°
Initial Hydrostatic Pressure 1598 (A) P.S.I.
Initial Flow Period 30 Minutes (B) 59 P.S.I. to (C) 41 P.S.I.
Initial Closed In Period 54 Minutes (D) 112 P.S.I.
Final Flow Period 60 Minutes (E) 68 P.S.I. to (F) 42 P.S.I.
Final Closed In Period 84 Minutes (G) 87 P.S.I.
Final Hydrostatic Pressure 1589 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-80 Test Ticket No. 4782
 Recorder No. 3659 Capacity 3000 Location 3032 Ft.
 Clock No. _____ Elevation 1759 Kelly Bushing Well Temperature 100 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1598 P.S.I. Open Tool 7:37 A_M
 B First Initial Flow Pressure 59 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 41 P.S.I. Initial Closed-in Pressure 60 Mins. 54 Mins.
 D Initial Closed-in Pressure 112 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 68 P.S.I. Final Closed-in Pressure 90 Mins. 84 Mins.
 F Second Final Flow Pressure 42 P.S.I.
 G Final Closed-in Pressure 87 P.S.I.
 H Final Hydrostatic Mud 1589 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>18</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>28</u> Inc. of <u>3</u> mins. and a 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>59</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>42</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>43</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>43</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>44</u>
P 4 <u>15</u>	<u>42</u>	<u>9</u>	<u>47</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>45</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>49</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>47</u>
P 6 <u>25</u>	<u>41</u>	<u>15</u>	<u>53</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>48</u>
P 7 <u>30</u>	<u>41</u>	<u>18</u>	<u>59</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>49</u>
P 8 _____	_____	<u>21</u>	<u>63</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>51</u>
P 9 _____	_____	<u>24</u>	<u>64</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>53</u>
P10 _____	_____	<u>27</u>	<u>67</u>	<u>45</u>	<u>43</u>	<u>27</u>	<u>55</u>
P11 _____	_____	<u>30</u>	<u>71</u>	<u>50</u>	<u>43</u>	<u>30</u>	<u>57</u>
P12 _____	_____	<u>33</u>	<u>76</u>	<u>55</u>	<u>42</u>	<u>33</u>	<u>58</u>
P13 _____	_____	<u>36</u>	<u>82</u>	<u>60</u>	<u>42</u>	<u>36</u>	<u>59</u>
P14 _____	_____	<u>39</u>	<u>88</u>	_____	_____	<u>39</u>	<u>60</u>
P15 _____	_____	<u>42</u>	<u>94</u>	_____	_____	<u>42</u>	<u>62</u>
P16 _____	_____	<u>45</u>	<u>98</u>	_____	_____	<u>45</u>	<u>63</u>
P17 _____	_____	<u>48</u>	<u>104</u>	_____	_____	<u>48</u>	<u>64</u>
P18 _____	_____	<u>51</u>	<u>108</u>	_____	_____	<u>51</u>	<u>66</u>
P19 _____	_____	<u>54</u>	<u>112</u>	_____	_____	<u>54</u>	<u>67</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>69</u>
						<u>60</u>	<u>71</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-80 Test Ticket No. 4782
 Recorder No. 3659 Capacity 3000 Location 3032 Ft.
 Clock No. _____ Elevation 1759 Kelly Bushing Well Temperature 100 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1598 P.S.I.	Open Tool	7:37 A _M	
B First Initial Flow Pressure	59 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D Initial Closed-in Pressure	112 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	68 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F Second Final Flow Pressure	42 P.S.I.			
G Final Closed-in Pressure	87 P.S.I.			
H Final Hydrostatic Mud	1589 P.S.I.			

PRESSURE BREAKDOWN

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

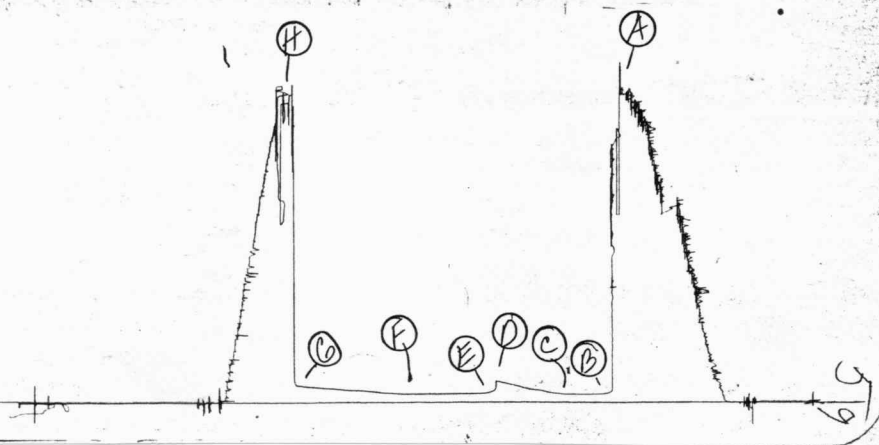
Initial Shut-In
 Breakdown: 18 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 28 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						63	73
P 2						66	75
P 3						69	78
P 4						72	80
P 5						75	82
P 6						78	84
P 7						81	86
P 8						84	87
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

HE # 4782
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 4783

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation

1759 KB

Formation

Lansing

Eff. Pay

Ft.

District

Great Bend

Date

3-22-80

Customer Order No.

COMPANY NAME

Parrish Oil Co. + H-30 Inc.

ADDRESS

110 No. Market Suite 201 Wichita, Ks 67202

LEASE AND WELL NO.

Bersheid #1

COUNTY

Barton

STATE

Ks

Sec.

12

Twp

20S

Rge

11W

Mail Invoice To

Same As Above

No. Copies Requested

5

Co. Name

Address

Mail Charts To

Same As Above

No. Copies Requested

5

Address

Formation Test No.

2

Interval Tested from

3190

ft. to

3220

ft.

Total Depth

3220

ft.

Packer Depth

3190

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)

3210

ft.

Recorder Number

3474

Cap.

3000

Bottom Recorder Depth (Outside)

3213

ft.

Recorder Number

3659

Cap.

4000

Below Straddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

H-30 Rig 11

Drill Collar Length

I. D.

in.

Mud Type

Starch

Viscosity

36

Weight Pipe Length

I. D.

in.

Weight

10

Water Loss

13.4

cc.

Drill Pipe Length

3174

I. D.

3.8

in.

Chlorides

85,000

P.P.M.

Test Tool Length

16

ft.

Tool Size

5 1/2 OD

in.

Jars: Make

Serial Number

Anchor Length

30

ft.

Size

5 1/2 OD

in.

Did Well Flow?

No

Reversed Out

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:

Very weak blow, died in 10 minutes of first opening -
No blow during 2nd opening.

Recovered

10

ft. of

Drls Mud With Few Spts of Oil

Recovered

ft. of

Recovered

ft. of

Recovered

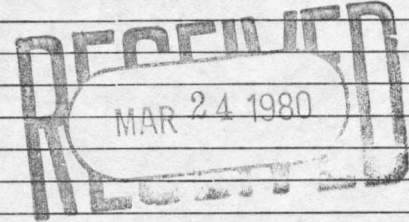
ft. of

Recovered

ft. of

Remarks:

Clocks Stopped



Time Set Packer(s)

3:43

A.M.

Time Started Off Bottom

5:45

A.M.

Maximum Temperature

99

Initial Hydrostatic Pressure

(A)

P.S.I.

Initial Flow Period

Minutes

30

(B)

P.S.I. to (C)

P.S.I.

Initial Closed In Period

Minutes

30

(D)

P.S.I.

Final Flow Period

Minutes

30

(E)

P.S.I. to (F)

P.S.I.

Final Closed In Period

Minutes

30

(G)

P.S.I.

Final Hydrostatic Pressure

(H)

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

Lloyd Parrish

Signature of Customer or his authorized representative

Western Representative

Gene Eberhart

Thank you

FIELD INVOICE

Open Hole Test

\$

Mason

\$

275.00

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$

Fluid Sampler

\$

Extra Charts

\$

TOTAL

\$

275.00

Company Parrish Oil Co. & H-30, Inc. Lease & Well No. Bersheidt #1
Elevation 1759 KellyBushing Lansing Formation Lansing Effective Pay - Ft. Ticket No. 4783
Date 3/22/80 Sec. 12 Twp. 20S Range 11W County Barton State Kansas
Test Approved by Lloyd Parrish Western Representative Denis Wondra-Gene Eberhart
Formation Test No. 2 Interval Tested from 3190 ft. to 3220 ft. Total Depth 3220 ft.
Packer Depth 3190 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)	<u>3210</u> ft.	Recorder Number	<u>3474</u>	Cap.	<u>3000</u>
Bottom Recorder Depth (Outside)	<u>3213</u> ft.	Recorder Number	<u>3659</u>	Cap.	<u>4000</u>
Below Straddle Recorder Depth	<u>-</u> ft.	Recorder Number	<u>-</u>	Cap.	<u>-</u>
Drilling Contractor	<u>H-30, Rig #11</u>	Drill Collar Length	<u>-</u>	I. D.	<u>-</u> in.
Mud Type	<u>starch</u> Viscosity <u>36</u>	Weight Pipe Length	<u>-</u>	I. D.	<u>-</u> in.
Weight	<u>10</u> Water Loss <u>13.4</u> cc.	Drill Pipe Length	<u>3174</u>	I. D.	<u>3.8</u> in.
Chlorides	<u>85,000</u> P.P.M.	Test Tool Length	<u>16</u> ft.	Tool Size	<u>5 1/2</u> OD in.
Jars: Make	<u>-</u> Serial Number <u>-</u>	Anchor Length	<u>30</u> ft.	Size	<u>5 1/2</u> OD in.
Did Well Flow?	<u>No</u> Reversed Out <u>-</u>	Surface Choke Size	<u>3/4</u> in.	Bottom Choke Size	<u>3/4</u> in.
		Main Hole Size	<u>7 7/8</u> in.	Tool Joint Size	<u>4 1/2</u> FH in.

Blow: Very weak blow; died in ten minutes of first opening. No blow during second opening.

Recovered 10 ft. of drilling mud with few spots of oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

CLOCKS STOPPED

Time Set Packer(s)	<u>3:43</u>	<u>A.M.</u>	Time Started Off Bottom	<u>5:45</u>	<u>A.M.</u>	Maximum Temperature	<u>99°</u>
Initial Hydrostatic Pressure			(A)			P.S.I.	
Initial Flow Period			Minutes	(B)	P.S.I. to (C)		P.S.I.
Initial Closed In Period			Minutes	(D)	P.S.I.		
Final Flow Period			Minutes	(E)	P.S.I. to (F)		P.S.I.
Final Closed In Period			Minutes	(G)	P.S.I.		
Final Hydrostatic Pressure			(H)			P.S.I.	

TKL# 4783
0

52

TKL# 4783
I

52



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

WESTERN TESTING CO., INC. FORMATION TESTING

TICKET NO 4784

Elevation 1759 KB Formation Arbuckle Eff. Pay Ft.

COMPANY NAME Parrish Oil Co. + H-30, Inc. District Barton Date 3/22/80 Customer Order No.

ADDRESS 110 No. Market Suite 201 Wichita, K 67202

LEASE AND WELL NO. Bersheid #1 COUNTY Barton STATE Ks Sec. 12 Twp. 20S Rgd. 14W

Mail Invoice To Same as above Co. Name Address No. Copies Requested 5

Mail Charts To Same as above Co. Name Address No. Copies Requested 5

Formation Test No. #3 Interval Tested from 3265 ft. to 3290 ft. Total Depth 3290 ft.

Packer Depth 3260 ft. Size 43/4 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) 3280 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3283 ft. Recorder Number 3659 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor H-30 Rig #11 Drill Collar Length I. D. in.

Mud Type Starch Viscosity 39 Weight Pipe Length I. D. in.

Weight 9.9 Water Loss 18.4 cc. Drill Pipe Length 3249 I. D. 3.8 in.

Chlorides 87,000 P.P.M. Test Tool Length 16 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: Good, increased to strong on first opening, Very good thought out 2nd opening

Recovered 60 ft. of Gas In Pipe

Recovered 170 ft. of Oil Cut Watery Mud

Recovered 120 ft. of Slit Oil Cut Muddy Water

Recovered 180 ft. of Slit Oil Cut Water

Recovered 245 ft. of SALT Water Chlorides 30,000 PPM

Remarks:

Time Set Packer(s) 8:13 P.M. Time Started Off Bottom 12:15 A.M. Maximum Temperature 102

Initial Hydrostatic Pressure (A) 1737 P.S.I.

Initial Flow Period 30 Minutes (B) 130 P.S.I. to (C) 207 P.S.I.

Initial Closed In Period 60 Minutes (D) 507 P.S.I.

Final Flow Period 60 Minutes (E) 253 P.S.I. to (F) 330 P.S.I.

Final Closed In Period 90 Minutes (G) 492 P.S.I.

Final Hydrostatic Pressure (H) 1737 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 Lloyd Ramm
Signature of Customer or his authorized representative

Western Representative Denis Warden Thank you

Gene Eckhart

FIELD INVOICE

Open Hole Test \$ 500.00 ✓

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

TOTAL \$ 500.00

MAR 25 1980

WESTERN TESTING CO., INC.

Pressure Data

Date 3-22-80 Recorder No. 3474 Capacity 3000 Test Ticket No. 4784
 Clock No. _____ Elevation 1759 KB Location 3280 Ft. Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1729</u> P.S.I.	Open Tool	<u>8:13</u> P M	
B First Initial Flow Pressure	<u>95</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>208</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>509</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>262</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>332</u> P.S.I.			
G Final Closed-in Pressure	<u>486</u> P.S.I.			
H Final Hydrostatic Mud	<u>1713</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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 0	<u>95</u>	0	<u>208</u>	0	<u>262</u>	0	<u>332</u>
P 2 5	<u>107</u>	3	<u>353</u>	5	<u>258</u>	3	<u>355</u>
P 3 10	<u>130</u>	6	<u>325</u>	10	<u>264</u>	6	<u>370</u>
P 4 15	<u>156</u>	9	<u>412</u>	15	<u>274</u>	9	<u>380</u>
P 5 20	<u>173</u>	12	<u>426</u>	20	<u>286</u>	12	<u>389</u>
P 6 25	<u>191</u>	15	<u>432</u>	25	<u>225</u>	15	<u>398</u>
P 7 30	<u>208</u>	18	<u>440</u>	30	<u>303</u>	18	<u>405</u>
P 8 35		21	<u>448</u>	35	<u>310</u>	21	<u>409</u>
P 9 40		24	<u>456</u>	40	<u>317</u>	24	<u>414</u>
P 10 45		27	<u>463</u>	45	<u>323</u>	27	<u>420</u>
P 11 50		30	<u>470</u>	50	<u>326</u>	30	<u>423</u>
P 12 55		33	<u>475</u>	55	<u>329</u>	33	<u>42730</u>
P 13 60		36	<u>479</u>	60	<u>332</u>	36	<u>43130</u>
P 14		39	<u>484</u>	65		39	<u>43530</u>
P 15		42	<u>489</u>	70		42	<u>439</u>
P 16		45	<u>494</u>	75		45	<u>442</u>
P 17		48	<u>497</u>	80		48	<u>445</u>
P 18		51	<u>500</u>	85		51	<u>449</u>
P 19		54	<u>503</u>	90		54	<u>452</u>
P 20		57	<u>506</u>			57	<u>456</u>
		60	<u>509</u>			60	<u>459</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4784

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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		63				63	462
P 2		66				66	465
P 3		69				69	469
P 4		72				72	473
P 5		75				75	476
P 6		78				78	478
P 7		81				81	480
P 8		84				84	483
P 9		87				87	484
P10		90				90	486
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Parrish Oil Co. & H-30, Inc. Lease & Well No. Bersheidt #1
 Elevation 1759 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 4784
 Date 3/22/80 Sec. 12 Twp. 20S Range 11W County Barton State Kansas
 Test Approved by Lloyd Parrish Western Representative Denis Wondra-Gene Eberhart
 Formation Test No. 3 Interval Tested from 3265 ft. to 3290 ft. Total Depth 3290 ft.
 Packer Depth 3260 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) 3280 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 3283 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor H-30 Drilling Rig #11 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 18.4 cc. Drill Pipe Length 3249 I. D. 3.8 in.
 Chlorides 87,000 P.P.M. Test Tool Length 16 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: Good, increased to strong on first opening. Very good throughout second opening.

Recovered <u>60</u> ft. of	gas in pipe
Recovered <u>170</u> ft. of	oil cut watery mud
Recovered <u>120</u> ft. of	slightly oil cut muddy water
Recovered <u>180</u> ft. of	slightly oil cut water
Recovered <u>245</u> ft. of	salt water
	chlorides 30,000 ppm

Remarks: _____

Time Set Packer(s) <u>8:13</u> ~~A.M.~~ <u>P.M.</u>	Time Started Off Bottom <u>12:15</u> ~~A.M.~~ <u>P.M.</u>	Maximum Temperature <u>102°</u>
Initial Hydrostatic Pressure	(A) <u>1729</u> P.S.I.	
Initial Flow Period	Minutes <u>30</u> (B) <u>95</u> P.S.I. to (C) <u>208</u> P.S.I.	
Initial Closed In Period	Minutes <u>60</u> (D) <u>509</u> P.S.I.	
Final Flow Period	Minutes <u>60</u> (E) <u>262</u> P.S.I. to (F) <u>332</u> P.S.I.	
Final Closed In Period	Minutes <u>90</u> (G) <u>486</u> P.S.I.	
Final Hydrostatic Pressure	(H) <u>1713</u> P.S.I.	

WESTERN TESTING CO., INC. **Pressure Data**

Date 3-22-80 Test Ticket No. 4784
 Recorder No. 3474 Capacity 3000 Location 3280 Ft.
 Clock No. _____ Elevation 1759 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1729	P.S.I.	8:13 P	M
B First Initial Flow Pressure	95	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	208	P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	509	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	262	P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	332	P.S.I.		
G Final Closed-in Pressure	486	P.S.I.		
H Final Hydrostatic Mud	1713	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>95</u>	<u>0</u>	<u>208</u>	<u>0</u>	<u>262</u>	<u>0</u>	<u>332</u>
P 2 <u>5</u>	<u>107</u>	<u>3</u>	<u>355</u>	<u>5</u>	<u>258</u>	<u>3</u>	<u>355</u>
P 3 <u>10</u>	<u>130</u>	<u>6</u>	<u>395</u>	<u>10</u>	<u>264</u>	<u>6</u>	<u>370</u>
P 4 <u>15</u>	<u>156</u>	<u>9</u>	<u>412</u>	<u>15</u>	<u>274</u>	<u>9</u>	<u>380</u>
P 5 <u>20</u>	<u>173</u>	<u>12</u>	<u>426</u>	<u>20</u>	<u>286</u>	<u>12</u>	<u>389</u>
P 6 <u>25</u>	<u>191</u>	<u>15</u>	<u>432</u>	<u>25</u>	<u>295</u>	<u>15</u>	<u>398</u>
P 7 <u>30</u>	<u>208</u>	<u>18</u>	<u>440</u>	<u>30</u>	<u>303</u>	<u>18</u>	<u>405</u>
P 8 _____	_____	<u>21</u>	<u>448</u>	<u>35</u>	<u>310</u>	<u>21</u>	<u>409</u>
P 9 _____	_____	<u>24</u>	<u>456</u>	<u>40</u>	<u>317</u>	<u>24</u>	<u>414</u>
P10 _____	_____	<u>27</u>	<u>463</u>	<u>45</u>	<u>323</u>	<u>27</u>	<u>420</u>
P11 _____	_____	<u>30</u>	<u>470</u>	<u>50</u>	<u>326</u>	<u>30</u>	<u>423</u>
P12 _____	_____	<u>33</u>	<u>475</u>	<u>55</u>	<u>329</u>	<u>33</u>	<u>427</u>
P13 _____	_____	<u>36</u>	<u>479</u>	<u>60</u>	<u>332</u>	<u>36</u>	<u>431</u>
P14 _____	_____	<u>39</u>	<u>484</u>	_____	_____	<u>39</u>	<u>435</u>
P15 _____	_____	<u>42</u>	<u>489</u>	_____	_____	<u>42</u>	<u>439</u>
P16 _____	_____	<u>45</u>	<u>494</u>	_____	_____	<u>45</u>	<u>442</u>
P17 _____	_____	<u>48</u>	<u>497</u>	_____	_____	<u>48</u>	<u>445</u>
P18 _____	_____	<u>51</u>	<u>500</u>	_____	_____	<u>51</u>	<u>449</u>
P19 _____	_____	<u>54</u>	<u>503</u>	_____	_____	<u>54</u>	<u>452</u>
P20 _____	_____	<u>57</u>	<u>506</u>	_____	_____	<u>57</u>	<u>456</u>
WTC - 4		<u>60</u>	<u>509</u>	_____	_____	<u>60</u>	<u>459</u>

Continued on next page

WESTERN TESTING CO., INC.

Pressure Data

Date 3-22-80 Test Ticket No. 4784

Recorder No. 3474 Capacity 3000 Location 3280 Ft.

Clock No. 1759 Kelly Bushing Elevation 102 Well Temperature 102 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1729 P.S.I.	8:13 P	M
B First Initial Flow Pressure	95 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	208 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	509 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	262 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	332 P.S.I.		
G Final Closed-in Pressure	486 P.S.I.		
H Final Hydrostatic Mud	1713 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point	Press.	Point	Press.	Point	Press.	Point	Press.
P 1						63	462
P 2						66	465
P 3						69	469
P 4						72	473
P 5						75	476
P 6						78	478
P 7						81	480
P 8						84	482
P 9						87	484
P10						90	486
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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