



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4957

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

Elevation 1824 KB Formation LANS - KC Eff. Pay - Ft.

District BRENT BEND Date 2/17/80 Customer Order No.

COMPANY NAME PAN WESTERN PETROLEUM, INC.

ADDRESS 1408 DOUGLAS BLDG WICHITA KS

LEASE AND WELL NO. BOUSKA #1 COUNTY RUSSELL STATE KS Sec. 13 Twp 15S Rge 11W

Mail Invoice To SAME AS ABOVE Co. Name- Address No. Copies Requested 5

Mail Charts To SAME AS ABOVE Address No. Copies Requested 5

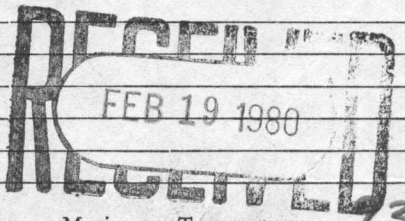
Formation Test No. 1 Interval Tested from 3027 ft. to 3062 ft. Total Depth 3062 ft.
Packer Depth 3022 ft. Size 6 3/4 in. Packer Depth 3027 ft. Size 6 3/4 in.
Packer Depth ft. Size in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3048 ft. Recorder Number 10266 Cap. 4650
Bottom Recorder Depth (Outside) 3051 ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor REVLIN DRUG CO. INC. Drill Collar Length I. D. in.
Mud Type SALT/MX-LOJAN Viscosity 45 Weight Pipe Length I. D. in.
Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 3005 I. D. 3.8 in.
Chlorides 67000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
Jars: Make NO Serial Number Anchor Length 35 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 in.

Blow: 1ST FLOW - FAIR BUILDING TO STRONG BLOW (3" in bucket to 13")
2ND FLOW FAIR BUILDING TO STRONG BLOW (3" in bucket to 13")

Recovered 115' ft. of GAS IN PIPE
Recovered 5' ft. of HEAVY OIL + GAS C MUD
Recovered 540' ft. of SOSGW
Remarks:



Time Set Packer(s) 4:25 A.M. P.M. Time Started Off Bottom 8:25 A.M. P.M. Maximum Temperature 130
Initial Hydrostatic Pressure (A) 1565 P.S.I.
Initial Flow Period Minutes 60 (B) 70 P.S.I. to (C) 176 P.S.I.
Initial Closed In Period Minutes 60 (D) 866 P.S.I.
Final Flow Period Minutes 60 (E) 211 P.S.I. to (F) 293 P.S.I.
Final Closed In Period Minutes 60 (G) 855 P.S.I.
Final Hydrostatic Pressure (H) 1518 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 [Signature] Danell Clapton

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 2-17-80

Test Ticket No. 4957

Recorder No. 10266

Capacity 4650

Location 3062 Ft.

Clock No. _____

Elevation 1824 KB

Well Temperature 93 °F

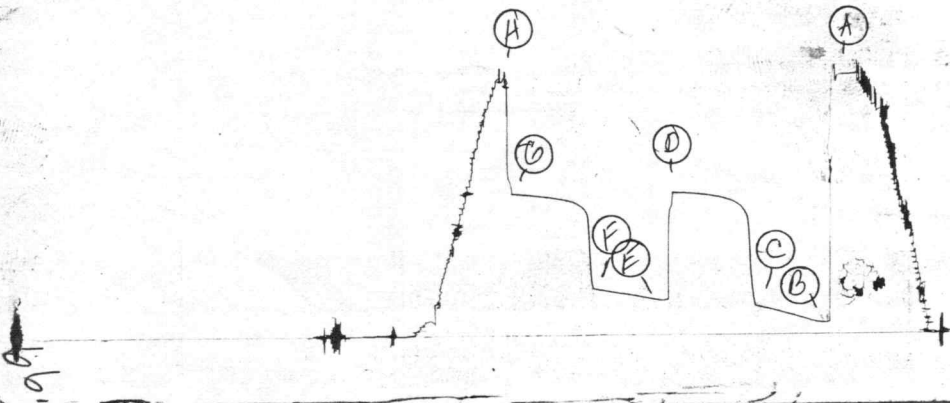
Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1572</u> P.S.I.		<u>4:25 P</u> M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>176</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>868</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>316</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>289</u> P.S.I.			
G Final Closed-in Pressure	<u>860</u> P.S.I.			
H Final Hydrostatic Mud	<u>1533</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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>73</u>	0	<u>176</u>	0	<u>316</u>	0	<u>289</u>
P 2	<u>70</u>	3	<u>319</u>	5	<u>311</u>	3	<u>586</u>
P 3	<u>75</u>	6	<u>586</u>	10	<u>318</u>	6	<u>757</u>
P 4	<u>87</u>	9	<u>752</u>	15	<u>328</u>	9	<u>785</u>
P 5	<u>99</u>	12	<u>785</u>	20	<u>335</u>	12	<u>799</u>
P 6	<u>110</u>	15	<u>801</u>	25	<u>344</u>	15	<u>811</u>
P 7	<u>124</u>	18	<u>815</u>	30	<u>351</u>	18	<u>818</u>
P 8	<u>134</u>	21	<u>822</u>	35	<u>358</u>	21	<u>825</u>
P 9	<u>148</u>	24	<u>832</u>	40	<u>365</u>	24	<u>829</u>
P10	<u>157</u>	27	<u>839</u>	45	<u>375</u>	27	<u>834</u>
P11	<u>165</u>	30	<u>843</u>	50	<u>382</u>	30	<u>836</u>
P12	<u>176</u>	33	<u>848</u>	55	<u>389</u>	33	<u>840</u>
P13		36	<u>853</u>	60		36	<u>843</u>
P14		39	<u>855</u>	65		39	<u>846</u>
P15		42	<u>857</u>	70		42	<u>848</u>
P16		45	<u>858</u>	75		45	<u>850</u>
P17		48	<u>861</u>	80		48	<u>852</u>
P18		51	<u>865</u>	85		51	<u>854</u>
P19		54	<u>865</u>	90		54	<u>856</u>
P20		57	<u>867</u>			57	<u>858</u>
		60	<u>868</u>			60	<u>860</u>

4957

TR # 4957
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Company Pan Western Petroleum, Inc. Lease & Well No. Bouska #1
 Elevation 1824 Kelly Bushing Jansing-Kansas City Formation City Pay -- Ft. Ticket No. 4957
 Date 2/17/80 Sec. 13 Twp. 15S Range 11W County Russell State Kansas
 Test Approved by Toby Elster Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 3027 ft. to 3062 ft. Total Depth 3062 ft.
 Packer Depth 3022 ft. Size 6 3/4 in. Packer Depth 3027 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) 3048 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3051 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Revlin Drilling Co., Inc. Drill Collar Length - I. D. - in.
 Mud Type salt-mx-lo-Jel Viscosity 45 Weight Pipe Length -- I. D. -- in.
 Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 3005 I. D. 3.8 in.
 Chlorides 67,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
 Jars: Make NO Serial Number - Anchor Length 3/35 ft. Size 5 1/2 in.
 Did Well Flow? - 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 in.

Blow: First flow, fair building to strong blow (3" in bucket to 13")
Second flow, fair building to strong blow (3" in bucket to 13")

Recovered 115 ft. of gas in pipe
 Recovered 5 ft. of heavy oil and gas cut mud
 Recovered 540 ft. of slightly oily and gassy water
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 4:25 ~~AM~~ P.M. Time Started Off Bottom 8:25 ~~AM~~ P.M. Maximum Temperature 93°
 Initial Hydrostatic Pressure (A) 1572 P.S.I.
 Initial Flow Period Minutes 60 (B) 73 P.S.I. to (C) 176 P.S.I.
 Initial Closed In Period Minutes 60 (D) 868 P.S.I.
 Final Flow Period Minutes 60 (E) 216 P.S.I. to (F) 289 P.S.I.
 Final Closed In Period Minutes 60 (G) 860 P.S.I.
 Final Hydrostatic Pressure (H) 1533 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/17/80 Recorder No. 10266 Capacity 4650 Test Ticket No. 4957
 Clock No. --- Elevation 1824 Kelly Bushing Location 3062 Ft. ---
 Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1572	P.S.I.	4:25P	M
B First Initial Flow Pressure	73	P.S.I.	60	60
C First Final Flow Pressure	176	P.S.I.	60	60
D Initial Closed-in Pressure	868	P.S.I.	60	60
E Second Initial Flow Pressure	216	P.S.I.	60	60
F Second Final Flow Pressure	289	P.S.I.	60	60
G Final Closed-in Pressure	860	P.S.I.		
H Final Hydrostatic Mud	1533	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 11 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 11 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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 <u>0</u>	<u>73</u>	<u>0</u>	<u>176</u>	<u>0</u>	<u>216</u>	<u>0</u>	<u>289</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>319</u>	<u>5</u>	<u>211</u>	<u>3</u>	<u>586</u>
P 3 <u>10</u>	<u>75</u>	<u>6</u>	<u>586</u>	<u>10</u>	<u>218</u>	<u>6</u>	<u>757</u>
P 4 <u>15</u>	<u>87</u>	<u>9</u>	<u>752</u>	<u>15</u>	<u>228</u>	<u>9</u>	<u>785</u>
P 5 <u>20</u>	<u>99</u>	<u>12</u>	<u>785</u>	<u>20</u>	<u>235</u>	<u>12</u>	<u>799</u>
P 6 <u>25</u>	<u>110</u>	<u>15</u>	<u>801</u>	<u>25</u>	<u>244</u>	<u>15</u>	<u>811</u>
P 7 <u>30</u>	<u>124</u>	<u>18</u>	<u>815</u>	<u>30</u>	<u>251</u>	<u>18</u>	<u>818</u>
P 8	<u>136</u>	<u>21</u>	<u>822</u>	<u>35</u>	<u>258</u>	<u>21</u>	<u>825</u>
P 9	<u>148</u>	<u>24</u>	<u>832</u>	<u>40</u>	<u>265</u>	<u>24</u>	<u>829</u>
P10	<u>157</u>	<u>27</u>	<u>839</u>	<u>45</u>	<u>275</u>	<u>27</u>	<u>834</u>
P11	<u>165</u>	<u>30</u>	<u>843</u>	<u>50</u>	<u>282</u>	<u>30</u>	<u>836</u>
P12	<u>176</u>	<u>33</u>	<u>848</u>	<u>55</u>	<u>289</u>	<u>33</u>	<u>840</u>
P13		<u>36</u>	<u>853</u>	<u>60</u>		<u>36</u>	<u>843</u>
P14		<u>39</u>	<u>855</u>			<u>39</u>	<u>846</u>
P15		<u>42</u>	<u>857</u>			<u>42</u>	<u>848</u>
P16		<u>45</u>	<u>858</u>			<u>45</u>	<u>850</u>
P17		<u>48</u>	<u>861</u>			<u>48</u>	<u>852</u>
P18		<u>51</u>	<u>865</u>			<u>51</u>	<u>854</u>
P19		<u>54</u>	<u>865</u>			<u>54</u>	<u>856</u>
P20		<u>57</u>	<u>867</u>			<u>57</u>	<u>858</u>
WTC - 4		<u>60</u>	<u>868</u>			<u>60</u>	<u>860</u>



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4959

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

Elevation 1824 KB Formation CONG. SAND. Eff. Pay Ft.

District GREAT BEND Date 2/19/80 Customer Order No.

COMPANY NAME PAN WESTERN PETROLEUM

ADDRESS 1408 Douglas BLDG. WICHITA, KS

LEASE AND WELL NO. BOUSKA #1 COUNTY RUSSELL STATE KS Sec. 13 Twp 15S Rge 11W

Mail Invoice To SAME AS ABOVE Co. Name Address No. Copies Requested 5

Mail Charts To SAME AS ABOVE Address No. Copies Requested 5

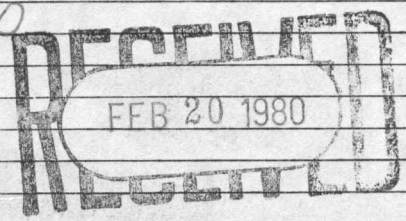
Formation Test No. 2 Interval Tested from 3286 ft. to 3326 ft. Total Depth 3326 ft. Packer Depth 3281 ft. Size 6 3/4 in. Packer Depth 3286 ft. Size 6 3/4 in. Packer Depth ft. Size in. Packer Depth ft. Size in. Depth of Selective Zone Set

Top Recorder Depth (Inside) 3314 ft. Recorder Number 10266 Cap. 4650 Bottom Recorder Depth (Outside) 3317 ft. Recorder Number 6233 Cap. 4000 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor REVLIN DRG. CO. Drill Collar Length I. D. in. Mud Type SALT T/10-JEL Viscosity 42 Weight Pipe Length I. D. in. Weight 9.6 Water Loss N/A cc. Drill Pipe Length I. D. 3.8 in. Chlorides 62,000 P.P.M. Test Tool Length 22' ft. Tool Size 4 1/2 in. Jars: Make Serial Number Anchor Length 40' 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 in.

Blow: 1ST FLOW - WEAK BLOW 1/4" in bucket - DIED AFTER 57 MIN. 2ND - NO BLOW FLUSHED TOOL NO HELP

Recovered 30' ft. of OCM Recovered ft. of 20% Oil 590 WATER 7590 MUD Recovered ft. of Recovered ft. of Recovered ft. of Remarks:



Time Set Packer(s) 3:00 A.M. P.M. Time Started Off Bottom 6:30 A.M. P.M. Maximum Temperature 9590 Initial Hydrostatic Pressure (A) 1769 P.S.I. Initial Flow Period Minutes 60 (B) 101 P.S.I. to (C) 101 P.S.I. Initial Closed In Period Minutes 60 (D) 1005 P.S.I. Final Flow Period Minutes 30 (E) 101 P.S.I. to (F) 101 P.S.I. Final Closed In Period Minutes 60 (G) 986 P.S.I. Final Hydrostatic Pressure (H) 1750 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 [Signature] Thank you

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 2-19-80 Test Ticket No. 4959
 Recorder No. 10266 Capacity 4650 Location 3314 Ft.
 Clock No. _____ Elevation 1824 KB Well Temperature 95 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1746</u>	P.S.I.	<u>3:00</u> A M	
B First Initial Flow Pressure	<u>66</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>44</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>998</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>73</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>48</u>	P.S.I.		
G Final Closed-in Pressure	<u>972</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1714</u>	P.S.I.		

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

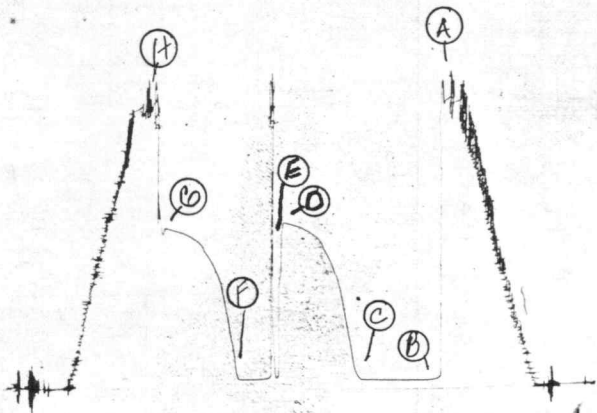
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 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>66</u>	0	<u>44</u>	0	<u>73</u>	0	<u>48</u>
P 2 5	<u>42</u>	3	<u>68</u>	5	<u>Flushed Tool</u>	3	<u>155</u>
P 3 10	<u>40</u>	6	<u>141</u>	10	<u>52</u>	6	<u>298</u>
P 4 15	<u>40</u>	9	<u>284</u>	15	<u>48</u>	9	<u>437</u>
P 5 20	<u>40</u>	12	<u>411</u>	20	<u>48</u>	12	<u>570</u>
P 6 25	<u>40</u>	15	<u>542</u>	25	<u>48</u>	15	<u>664</u>
P 7 30	<u>40</u>	18	<u>652</u>	30	<u>48</u>	18	<u>722</u>
P 8 35	<u>40</u>	21	<u>706</u>	35		21	<u>771</u>
P 9 40	<u>42</u>	24	<u>764</u>	40		24	<u>804</u>
P10 45	<u>42</u>	27	<u>813</u>	45		27	<u>853</u>
P11 50	<u>44</u>	30	<u>867</u>	50		30	<u>886</u>
P12 55	<u>44</u>	33	<u>902</u>	55		33	<u>899</u>
P13 60	<u>44</u>	36	<u>921</u>	60		36	<u>811</u>
P14		39	<u>935</u>	65		39	<u>826</u>
P15		42	<u>953</u>	70		42	<u>837</u>
P16		45	<u>965</u>	75		45	<u>949</u>
P17		48	<u>972</u>	80		48	<u>954</u>
P18		51	<u>980</u>	85		51	<u>958</u>
P19		54	<u>987</u>	90		54	<u>963</u>
P20		57	<u>993</u>			57	<u>967</u>
		60	<u>998</u>			60	<u>972</u>

10266
4959

PLT # 4959
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Company Pan Western Petroleum, Inc. Lease & Well No. Bouska #2
 Elevation 1824 Kelly Bushing Conglomerate Sand Formation Sand Effective Pay --- Ft. Ticket No. 4959
 Date 2/19/80 Sec. 13 Twp. 15S Range 11W County Russell State Kansas
 Test Approved by Toby Elster Western Representative Darrell Claphan

Formation Test No. 2 Interval Tested from 3286 ft. to 3326 ft. Total Depth 3326 ft.
 Packer Depth 3281 ft. Size 6 3/4 in. Packer Depth 3286 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) 3314 ft. Recorder Number 10266 Cap 4650
 Bottom Recorder Depth (Outside) 3317 ft. Recorder Number 6233 Cap 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Revlen Drilling Co. Drill Collar Length - I. D. - in.
 Mud Type salt-ty-10-jel Viscosity 42 Weight Pipe Length - I. D. - in.
 Weight 9.6 Water Loss N/A cc. Drill Pipe Length 3264 I. D. 3.8 in.
 Chlorides 62,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
 Jars: Make -- Serial Number - Anchor Length 40 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 in.

Blow: First flow weak blow 1/4" in bucket; died after fifty seven minutes. Second flow, no blow; flusehd tool- no help.

Recovered 30 ft. of oil cut mud
 Recovered - ft. of (20% oil; 5% water; 75% mud)
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 3:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 6:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 95°
 Initial Hydrostatic Pressure (A) 1746 P.S.I.
 Initial Flow Period Minutes 60 (B) 66 P.S.I. to (C) 44 P.S.I.
 Initial Closed In Period Minutes 60 (D) 998 P.S.I.
 Final Flow Period Minutes 30 (E) 73 P.S.I. to (F) 48 P.S.I.
 Final Closed In Period Minutes 60 (G) 972 P.S.I.
 Final Hydrostatic Pressure (H) 1714 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/19/80 Test Ticket No. 4959
 Recorder No. 10266 Capacity 4650 Location 3314 Ft.
 Clock No. ----- Elevation 1824 Kelly Bushing Well Temperature 95 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1746</u> P.S.I.	Open Tool	<u>3:00A</u> M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>998</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>972</u> P.S.I.			
H Final Hydrostatic Mud	<u>1714</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 20 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 <u>0</u>	<u>66</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>42</u>	<u>3</u>	<u>68</u>	<u>5</u>	<u>Flushed tool</u>	<u>3</u>	<u>155</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>141</u>	<u>10</u>	<u>52</u>	<u>6</u>	<u>298</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>184</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>437</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>411</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>570</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>542</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>664</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>652</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>722</u>
P 8 <u>35</u>	<u>40</u>	<u>21</u>	<u>706</u>			<u>21</u>	<u>771</u>
P 9 <u>40</u>	<u>42</u>	<u>24</u>	<u>764</u>			<u>24</u>	<u>804</u>
P10 <u>45</u>	<u>42</u>	<u>27</u>	<u>813</u>			<u>27</u>	<u>853</u>
P11 <u>50</u>	<u>44</u>	<u>30</u>	<u>867</u>			<u>30</u>	<u>886</u>
P12 <u>55</u>	<u>44</u>	<u>33</u>	<u>902</u>			<u>33</u>	<u>899</u>
P13 <u>60</u>	<u>44</u>	<u>36</u>	<u>921</u>			<u>36</u>	<u>811</u>
P14		<u>39</u>	<u>935</u>			<u>39</u>	<u>826</u>
P15		<u>42</u>	<u>953</u>			<u>42</u>	<u>837</u>
P16		<u>45</u>	<u>965</u>			<u>45</u>	<u>949</u>
P17		<u>48</u>	<u>972</u>			<u>48</u>	<u>954</u>
P18		<u>51</u>	<u>980</u>			<u>51</u>	<u>958</u>
P19		<u>54</u>	<u>987</u>			<u>54</u>	<u>963</u>
P20		<u>57</u>	<u>993</u>			<u>57</u>	<u>967</u>
WTC - 4		<u>60</u>	<u>998</u>			<u>60</u>	<u>972</u>