



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 6518

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

Elevation _____ Formation ARBUCKLE Eff. Pay _____ Ft.

District GREAT BEND Date 8-13-80 Customer Order No. _____

COMPANY NAME Petroleum ENERGY, INC

ADDRESS Suit 710 120 Building Wichita, Kansas 67202

LEASE AND WELL NO. Caldwater Bl COUNTY Rice STATE KS Sec. 17 Twp 20 Rge 9W

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. 1 Interval Tested from 3262 ft. to 3310 ft. Total Depth 3310 ft.

Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth 3262 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) 3264 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3267 ft. Recorder Number 6233 Cap. 4600

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor ALLEN Drilling CO. Drill Collar Length 185 ft I. D. 2.2 in.

Mud Type Starch-Salt Clay Viscosity 40 Weight Pipe Length _____ I. D. _____ in.

Weight 10.0 Water Loss 22.0 cc. Drill Pipe Length 3056 I. D. 3.8 in.

Chlorides 67,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 48 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: Initial Flow 1st - weak blow building to 1/2" BLOW

2nd - weak blow THRUOUT 1/8"

Final Flow Recovered 62 ft. of oil cut mud (show free oil)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Arrival 11:00 PM 8-12-80 ARROY DEPARTURE

Time Set Packer(s) 3:50 A.M. AM Time Started Off Bottom 6:50 A.M. PM Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) 1762 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 46 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1041 P.S.I.

Final Flow Period _____ Minutes 45 (E) 58 P.S.I. to (F) 58 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 983 P.S.I.

Final Hydrostatic Pressure _____ (H) 1693 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 of Customer or his authorized representative

Western Representative _____

FIELD INVOICE

Open Hole Test \$ 550.00

Misrun \$ _____

Straddle Test \$ _____

Jars \$ _____

Selective Zone \$ _____

Safety Joint \$ _____

Standby \$ _____

Evaluation \$ _____

Extra Packer \$ _____

Circ. Sub. \$ _____

Mileage 26 \$ 195.00

Fluid Sampler \$ _____

Extra Charts \$ _____

TOTAL

\$ 569.50

WESTERN TESTING CO., INC.

Pressure Data

Date 8-13 Test Ticket No. 6518
 Recorder No. 10266 Capacity 4650 Location 3264 Ft.
 Clock No. Elevation Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1772</u>	P.S.I.	<u>3:50 AM</u>	
B First Initial Flow Pressure	<u>82</u>	P.S.I.	<u>45</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>45</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1044</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>72</u>	P.S.I.	<u>45</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>61</u>	P.S.I.		
G Final Closed-in Pressure	<u>984</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1739</u>	P.S.I.		

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

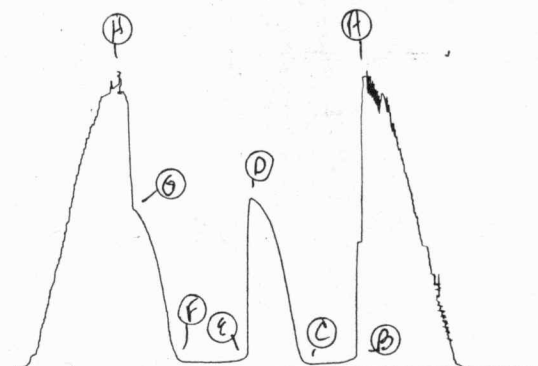
Final Shut-In
 Breakdown: 13 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>82</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>75</u>	<u>5</u>	<u>68</u>	<u>3</u>	<u>75</u>
P 3 <u>10</u>	<u>54</u>	<u>6</u>	<u>136</u>	<u>10</u>	<u>64</u>	<u>6</u>	<u>117</u>
P 4 <u>15</u>	<u>49</u>	<u>9</u>	<u>258</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>188</u>
P 5 <u>20</u>	<u>47</u>	<u>12</u>	<u>406</u>	<u>20</u>	<u>58</u>	<u>12</u>	<u>359</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>519</u>	<u>25</u>	<u>58</u>	<u>15</u>	<u>474</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>643</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>595</u>
P 8 <u>35</u>	<u>45</u>	<u>21</u>	<u>748</u>	<u>35</u>	<u> </u>	<u>21</u>	<u>691</u>
P 9 <u>40</u>	<u> </u>	<u>24</u>	<u>822</u>	<u>40</u>	<u> </u>	<u>24</u>	<u>769</u>
P10 <u>45</u>	<u> </u>	<u>27</u>	<u>897</u>	<u>45</u>	<u>61</u>	<u>27</u>	<u>839</u>
P11 <u>50</u>	<u> </u>	<u>30</u>	<u>941</u>	<u>50</u>	<u> </u>	<u>30</u>	<u>897</u>
P12 <u>55</u>	<u> </u>	<u>33</u>	<u>999</u>	<u>55</u>	<u> </u>	<u>33</u>	<u>937</u>
P13 <u>60</u>	<u> </u>	<u>36</u>	<u>1009</u>	<u>60</u>	<u> </u>	<u>36</u>	<u>972</u>
P14 <u> </u>	<u> </u>	<u>39</u>	<u>1030</u>	<u>65</u>	<u> </u>	<u>39</u>	<u>984</u>
P15 <u> </u>	<u> </u>	<u>42</u>	<u>1034</u>	<u>70</u>	<u> </u>	<u>42</u>	<u> </u>
P16 <u> </u>	<u> </u>	<u>45</u>	<u>1044</u>	<u>75</u>	<u> </u>	<u>45</u>	<u> </u>
P17 <u> </u>	<u> </u>	<u>48</u>	<u> </u>	<u>80</u>	<u> </u>	<u>48</u>	<u> </u>
P18 <u> </u>	<u> </u>	<u>51</u>	<u> </u>	<u>85</u>	<u> </u>	<u>51</u>	<u> </u>
P19 <u> </u>	<u> </u>	<u>54</u>	<u> </u>	<u>90</u>	<u> </u>	<u>54</u>	<u> </u>
P20 <u> </u>	<u> </u>	<u>57</u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u> </u>
		<u>60</u>	<u> </u>			<u>60</u>	<u> </u>

10266

SKT # 6518

I



Company Petroleum Energy, Inc. Lease & Well No. Coldwater 'B' #1

Elevation ----- Formation Arbuckle Effective Pay --- Ft. Ticket No. 6518

Date 8/13/80 Sec. 17 Twp. 20S Range 9W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Darrell Claphan-
Cliff Scheneman

Formation Test No. 1 Interval Tested from 3262 ft. to 3310 ft. Total Depth 3310 ft.

Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth 3262 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) 3264 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3267 ft. Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Allen Drlg. Co. Drill Collar Length 185 I. D. 2.2 in.

Mud Type starch-salt-clay Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 10.0 Water Loss 22.0 cc. Drill Pipe Length 3056 I. D. 3.8 in.

Chlorides 67,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 48 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.

Initial flow weak blow building to one half inch blow.

Final flow weak blow throughout one eighth inch blow.

Recovered 62 ft. of oil cut mud (show free oil)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:50 A.M. Time Started Off Bottom 6:50 P.M. Maximum Temperature 111°

Initial Hydrostatic Pressure 1772 (A) P.S.I.

Initial Flow Period 35 Minutes (B) 82 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period 45 Minutes (D) 1044 P.S.I.

Final Flow Period 45 Minutes (E) 72 P.S.I. to (F) 61 P.S.I.

Final Closed In Period 39 Minutes (G) 984 P.S.I.

Final Hydrostatic Pressure 1739 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/80

Recorder No. 10266

Capacity 4650

Test Ticket No. 6518

Clock No. - Elevation -

Location 3264 Ft.

Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1772</u> P.S.I.	Open Tool	<u>3:50A</u> M	
B First Initial Flow Pressure	<u>82</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1044</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>72</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>61</u> P.S.I.			
G Final Closed-in Pressure	<u>984</u> P.S.I.			
H Final Hydrostatic Mud	<u>1739</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In

Breakdown: 13 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>82</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>75</u>	<u>5</u>	<u>68</u>	<u>3</u>	<u>75</u>
P 3 <u>10</u>	<u>54</u>	<u>6</u>	<u>136</u>	<u>10</u>	<u>64</u>	<u>6</u>	<u>117</u>
P 4 <u>15</u>	<u>49</u>	<u>9</u>	<u>258</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>188</u>
P 5 <u>20</u>	<u>47</u>	<u>12</u>	<u>406</u>	<u>20</u>	<u>58</u>	<u>12</u>	<u>359</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>519</u>	<u>25</u>	<u>58</u>	<u>15</u>	<u>474</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>643</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>595</u>
P 8 <u>35</u>	<u>45</u>	<u>21</u>	<u>748</u>	<u>35</u>	<u>61</u>	<u>21</u>	<u>691</u>
P 9		<u>24</u>	<u>822</u>	<u>40</u>	<u>61</u>	<u>24</u>	<u>769</u>
P10		<u>27</u>	<u>897</u>	<u>45</u>	<u>61</u>	<u>27</u>	<u>839</u>
P11		<u>30</u>	<u>941</u>			<u>30</u>	<u>897</u>
P12		<u>33</u>	<u>979</u>			<u>33</u>	<u>937</u>
P13		<u>36</u>	<u>1009</u>			<u>36</u>	<u>972</u>
P14		<u>39</u>	<u>1030</u>			<u>39</u>	<u>984</u>
P15		<u>42</u>	<u>1034</u>				
P16		<u>45</u>	<u>1044</u>				
P17							
P18							
P19							
P20							



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

WESTERN TESTING CO., INC. FORMATION TESTING

TICKET No. 6519

Elevation _____ Formation ARBUEKHE Eff. Pay _____ Ft.

District Great Bend Date 8-13-80 Customer Order No. _____

COMPANY NAME Petroleum ENERGY, INC.

ADDRESS Suit 710 150 Building Wichita KS. 67202

LEASE AND WELL NO. Coldwater B-1 COUNTY Rice STATE KS Sec 17 Twp 20 Rge 9W

Mail Invoice To SAME No. Copies Requested 5

Co. Name _____ Address _____ No. Copies Requested 58

Mail Charts To SAME Address _____ No. Copies Requested 58

Formation Test No. 2 Interval Tested from 3262 ft. to 3312 ft. Total Depth 3312 ft.

Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth 3262 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) 3264 ft. Recorder Number 10244 Cap. 4650

Bottom Recorder Depth (Outside) 3269 ft. Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Allen Drilling Co Drill Collar Length 185 I. D. 2.2 in.

Mud Type STARCH SALT Viscosity 45 Weight Pipe Length _____ I. D. _____ in.

Weight 9.9 Water Loss 16.2 cc. Drill Pipe Length 3056 I. D. 3.8 in.

Chlorides 69,000 P.P.M. Test Tool Length 31 ft. Tool Size 4 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 50 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.

Initial Flow _____

Blow: 1ST - 1" TO 5" (SEE BLOW) BLEND OFF THEN BLOW SLOWLY BUILDING.

2nd - 1/2" weak blow to good 4" blow building

Recovered 50 ft. of MUD (Rainbow show oil)

Recovered 60 ft. of oil cut mud

Recovered 60 ft. of muddy oil

Recovered 60 ft. of muddy frothy o.c.

Recovered _____ ft. of _____

Remarks: HIT BRIDGE ABOUT 25' OFF BOTTOM WOULD NOT GO THROUGH - SLED TOOL

APPROX 6' THEN WENT THROUGH BRIDGE - DROPPED ABOUT 12 MORE FEET

BLEND OFF BLOW THEN SLED 2 MORE FEET

Time Set Packer(s) 5:25 A.M. Time Started Off Bottom 8:25 A.M. Maximum Temperature 112°

Initial Hydrostatic Pressure _____ (A) 1751 P.S.I.

Initial Flow Period _____ Minutes 45 (B) _____ P.S.I. to (C) _____ P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1053 P.S.I.

Final Flow Period _____ Minutes 45 (E) 129 P.S.I. to (F) 129 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 1041 P.S.I.

Final Hydrostatic Pressure _____ (H) 1727 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 result 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 of Customer or his authorized representative

Western Representative

Darrell Chapman
Cliff Schenckman

Thank you

FIELD INVOICE

Open Hole Test 44.550.00

Misrun \$ _____

Straddle Test \$ _____

Jars \$ _____

Selective Zone \$ _____

Safety Joint \$ _____

Standby \$ _____

Evaluation \$ _____

Extra Packer \$ _____

Circ. Sub. \$ _____

Mileage NK \$ _____

Fluid Sampler \$ _____

Extra Charts \$ _____

TOTAL

550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-13 Test Ticket No. 6519
 Recorder No. 10266 Capacity 4650 Location 3264 Ft.
 Clock No. — Elevation — Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1779</u>	P.S.I.	<u>5:25</u>	M
B First Initial Flow Pressure	<u>133*</u>	P.S.I.	<u>45</u>	Mins. <u>40</u> Mins.
C First Final Flow Pressure	<u>157*</u>	P.S.I.	<u>45</u>	Mins. <u>36</u> Mins.
D Initial Closed-in Pressure	<u>1081</u>	P.S.I.	<u>45</u>	Mins. <u>40</u> Mins.
E Second Initial Flow Pressure	<u>160</u>	P.S.I.	<u>45</u>	Mins. <u>42</u> Mins.
F Second Final Flow Pressure	<u>143</u>	P.S.I.		
G Final Closed-in Pressure	<u>1063</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1744</u>	P.S.I.		

* Pressures questionable due to plugging Action

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 13 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

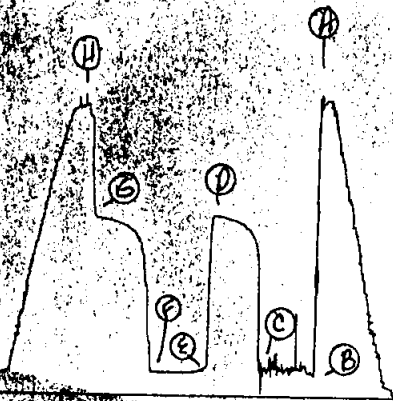
Final Shut-In
 Breakdown: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>133*</u>	0	<u>157*</u>	0	<u>160</u>	0	<u>143</u>
P 2 5	<u>157*</u>	3	<u>878</u>	5	<u>147</u>	3	<u>463</u>
P 3 10	<u>164*</u>	6	<u>949</u>	10	<u>143</u>	6	<u>734</u>
P 4 15	<u>157*</u>	9	<u>990</u>	15		9	<u>898</u>
P 5 20	<u>169*</u>	12	<u>1016</u>	20		12	<u>953</u>
P 6 25	<u>152*</u>	15	<u>1032</u>	25		15	<u>981</u>
P 7 30	<u>122*</u>	18	<u>1046</u>	30		18	<u>1000</u>
P 8 35	<u>138*</u>	21	<u>1056</u>	35		21	<u>1017</u>
P 9 40	<u>157*</u>	24	<u>1063</u>	40	<u>143</u>	24	<u>1026</u>
P10 45	~~—~~	27	<u>1072</u>	45		27	<u>1035</u>
P11 50		30	<u>1074</u>	50		30	<u>1044</u>
P12 55		33	<u>1078</u>	55		33	<u>1051</u>
P13 60		36	<u>1081</u>	60		36	<u>1056</u>
P14		39		65		39	<u>1058</u>
P15		42		70		42	<u>1063</u>
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

10266

JKT # 6519

I



Company Petroleum Energy, Inc. Lease & Well No. Coldwater "B" #1
 Elevation ----- Formation Arbuckle Effective Pay ----- Ft. Ticket No. 6519
 Date 8/13/80 Sec. 17 Twp. 20S Range 9W County Rice State Kansas
 Test Approved by Jim Musgrove Western Representative Darrell Claphan & Cliff Scheuerman
 Formation Test No. 2 Interval Tested from 3262 ft. to 3312 ft. Total Depth 3312 ft.
 Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth 3262 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) 3264 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3267 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Allen Drlg Company Drill Collar Length 185 I. D. 2.2 in.
 Mud Type starch-salt-clay viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 16.2 cc. Drill Pipe Length 3056 I. D. 3.8 in.
 Chlorides 69,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 50 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: Initial flow one inch to five inches (see below) Bled off; then blow slowly building.

Final flow one half inch weak blow to a good four inch blow, building.

Recovered 50 ft. of mud (rainbow show of oil)

Recovered 60 ft. of oil cut mud

Recovered 60 ft. of muddy oil

Recovered 60 ft. of muddy frothy oil

Recovered - ft. of -

Remarks: Hit bridge about twenty-five feet off bottom ; would not go through; slid tool

approximately five feet then went through bridge and dropped about twelve more feet. Bled off
blow then slid two more feet.

Time Set Packer(s) 5:25 A.M. P.M. Time Started Off Bottom 8:25 A.M. P.M. Maximum Temperature 112°
 Initial Hydrostatic Pressure (A) 1779 P.S.I.
 Initial Flow Period Minutes 40 (B) 133 * P.S.I. to (C) 157* P.S.I.
 Initial Closed In Period Minutes 56 (D) 1081 P.S.I.
 Final Flow Period Minutes 40 (E) 160 P.S.I. to (F) 143 P.S.I.
 Final Closed In Period Minutes 42 (G) 1063 P.S.I.
 Final Hydrostatic Pressure (H) 1744 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/80 Test Ticket No. 6519
 Recorder No. 10266 Capacity 4650 Location 3264 Ft.
 Clock No. - Elevation - Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1779</u> P.S.I.	Open Tool	<u>5:25</u> M	
B First Initial Flow Pressure	<u>133*</u> P.S.I.	First Flow Pressure	<u>45</u> Mins	<u>40</u> Mins.
C First Final Flow Pressure	<u>157*</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>56</u> Mins.
D Initial Closed-in Pressure	<u>1081</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>160</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins	<u>42</u> Mins.
F Second Final Flow Pressure	<u>143</u> P.S.I.			
G Final Closed-in Pressure	<u>1063</u> P.S.I.			
H Final Hydrostatic Mud	<u>1744</u> P.S.I.			

*PRESSURES QUESTIONABLE DUE TO
PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>14</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>133 *</u>	<u>0</u>	<u>157 *</u>	<u>0</u>	<u>160</u>	<u>0</u>	<u>143</u>
P 2 <u>5</u>	<u>157 *</u>	<u>3</u>	<u>878</u>	<u>5</u>	<u>147</u>	<u>3</u>	<u>463</u>
P 3 <u>10</u>	<u>164 *</u>	<u>6</u>	<u>949</u>	<u>10</u>	<u>143</u>	<u>6</u>	<u>734</u>
P 4 <u>15</u>	<u>157 *</u>	<u>9</u>	<u>990</u>	<u>15</u>	<u>143</u>	<u>9</u>	<u>898</u>
P 5 <u>20</u>	<u>169 *</u>	<u>12</u>	<u>1016</u>	<u>20</u>	<u>143</u>	<u>12</u>	<u>953</u>
P 6 <u>25</u>	<u>152 *</u>	<u>15</u>	<u>1032</u>	<u>25</u>	<u>143</u>	<u>15</u>	<u>981</u>
P 7 <u>30</u>	<u>122 *</u>	<u>18</u>	<u>1046</u>	<u>30</u>	<u>143</u>	<u>18</u>	<u>1000</u>
P 8 <u>35</u>	<u>138 *</u>	<u>21</u>	<u>1056</u>	<u>35</u>	<u>143</u>	<u>21</u>	<u>1017</u>
P 9 <u>40</u>	<u>157 *</u>	<u>24</u>	<u>1063</u>	<u>40</u>	<u>143</u>	<u>24</u>	<u>1026</u>
P10		<u>27</u>	<u>1072</u>			<u>27</u>	<u>1035</u>
P11		<u>30</u>	<u>1074</u>			<u>30</u>	<u>1044</u>
P12		<u>33</u>	<u>1078</u>			<u>33</u>	<u>1051</u>
P13		<u>36</u>	<u>1081</u>			<u>36</u>	<u>1056</u>
P14						<u>39</u>	<u>1058</u>
P15						<u>42</u>	<u>1063</u>
P16							
P17							
P18							
P19							
P20							