



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No.

8612

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

2082 K.B. Bushing

Formation

K. City

Eff. Pay

Ft.

District

St. Bend

Date

10-26-80

Customer Order No.

COMPANY NAME

K. V. E. Petroleum, Inc.

ADDRESS

816 Union Center Bldg.

Wichita, Ks. 67202

LEASE AND WELL NO.

BEMIS #1

COUNTY

Ellis

STATE

KS

Sec.

20

Twp.

13S

Rge.

19W

Mail Invoice To

Co. Name

Address

No. Copies Requested

5

Mail Charts To

Address

No. Copies Requested

5

Formation Test No. 1 Interval Tested from 3412 ft. to 3475 ft. Total Depth 3475 ft.

Packer Depth 3412 ft. Size 6 3/4 in.

Packer Depth ft. Size in.

Packer Depth 3407 ft. Size 6 3/4 in.

Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3430 ft.

Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3433 ft.

Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor Albercon Inc #1

Drill Collar Length 207 I. D. 2.2 in.

Mud Type Starch Viscosity 34

Weight Pipe Length 152 I. D. 2.7 in.

Weight 9.8 Water Loss 20.0 cc.

Drill Pipe Length 3033 I. D. 3.8 in.

Chlorides 60,000 P.P.M.

Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number

Anchor Length 63 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No

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: FF - Weak Blow Decreasing on Initial flow period

FF - No Blow final flow period

Recovered 30 ft. of DRUG. MUD

Recovered ft. of Drilling Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: TIME CHANGE

RECEIVED
NOV 3 - 1980

Time On Location 11:30 A.M. Time Pick Up Tool 1:00 A.M. Time Off Location 7:00 A.M.

Time Set Packer(s) 1:15 A.M. Time Started Off Bottom 4:45 A.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1803 P.S.I.

Initial Flow Period Minutes 60 (B) 68 P.S.I. to (C) 80 P.S.I.

Initial Closed In Period Minutes 60 (D) 729 P.S.I.

Final Flow Period Minutes 30 (E) 80 P.S.I. to (F) 80 P.S.I.

Final Closed In Period Minutes 60 (G) 729 P.S.I.

Final Hydrostatic Pressure (H) 1791 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

Dan Delaney
Ray Schwag

FIELD INVOICE

Open Hole Test \$550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage 26 miles \$19.50

Fluid Sampler \$

Extra Charts \$

Insurance \$

TOTAL \$569.50

WESTERN TESTING CO., INC.
Pressure Data

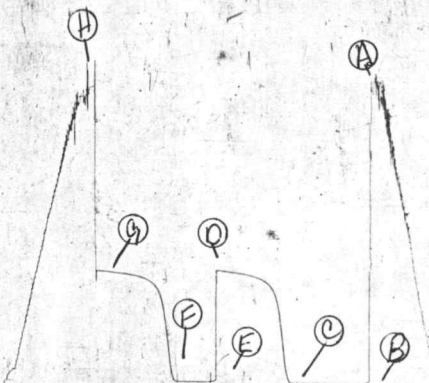
Date 10-26 Test Ticket No. 8612
Recorder No. 6234 Capacity 4500 Location 3430 Ft.
Clock No. Elevation 2082 KB Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1819</u> P.S.I.	Open Tool	<u>1:15</u> A	<u>M</u>
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>70</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>54</u> Mins.
D Initial Closed-in Pressure	<u>732</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>85</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>84</u> P.S.I.			
G Final Closed-in Pressure	<u>733</u> P.S.I.			
H Final Hydrostatic Mud	<u>1794</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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>0</u>	<u>73</u>	<u>0</u>	<u>85</u>	<u>0</u>	<u>84</u>
P 2	<u>5</u>	<u>3</u>	<u>69</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>138</u>
P 3	<u>10</u>	<u>6</u>	<u>298</u>	<u>10</u>	<u>80</u>	<u>6</u>	<u>300</u>
P 4	<u>15</u>	<u>9</u>	<u>486</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>486</u>
P 5	<u>20</u>	<u>12</u>	<u>590</u>	<u>20</u>	<u>80</u>	<u>12</u>	<u>574</u>
P 6	<u>25</u>	<u>15</u>	<u>633</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>624</u>
P 7	<u>30</u>	<u>18</u>	<u>658</u>	<u>30</u>	<u>84</u>	<u>18</u>	<u>658</u>
P 8	<u>35</u>	<u>21</u>	<u>671</u>	<u>35</u>		<u>21</u>	<u>676</u>
P 9	<u>40</u>	<u>24</u>	<u>687</u>	<u>40</u>		<u>24</u>	<u>687</u>
P10	<u>45</u>	<u>27</u>	<u>694</u>	<u>45</u>		<u>27</u>	<u>696</u>
P11	<u>50</u>	<u>30</u>	<u>700</u>	<u>50</u>		<u>30</u>	<u>703</u>
P12	<u>55</u>	<u>33</u>	<u>707</u>	<u>55</u>		<u>33</u>	<u>707</u>
P13	<u>60</u>	<u>36</u>	<u>712</u>	<u>60</u>		<u>36</u>	<u>712</u>
P14		<u>39</u>	<u>716</u>	<u>65</u>		<u>39</u>	<u>716</u>
P15		<u>42</u>	<u>720</u>	<u>70</u>		<u>42</u>	<u>718</u>
P16		<u>45</u>	<u>724</u>	<u>75</u>		<u>45</u>	<u>721</u>
P17		<u>48</u>	<u>728</u>	<u>80</u>		<u>48</u>	<u>724</u>
P18		<u>51</u>	<u>730</u>	<u>85</u>		<u>51</u>	<u>727</u>
P19		<u>54</u>	<u>732</u>	<u>90</u>		<u>54</u>	<u>729</u>
P20		57				<u>57</u>	<u>731</u>
		60				<u>60</u>	<u>733</u>

TK # 8612
I.



6284

Time Set	Packer(s)	1:15	P.M.	A.M.	Time Started Off Bottom	4:45	P.M.	A.M.	Maximum Temperature	104
Initial Hydrostatic Pressure					(A)	1819		P.S.I.		
Initial Flow Period		Minutes	60		(B)	73		P.S.I. to (C)	70	P.S.I.
Initial Closed In Period		Minutes	54		(D)	732		P.S.I.		
Final Flow Period		Minutes	30		(E)	85		P.S.I. to (F)	84	P.S.I.
Final Closed In Period		Minutes	60		(G)	733		P.S.I.		
Final Hydrostatic Pressure					(H)	1794		P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 10-26-80 Test Ticket No. 8612
Recorder No. 6234 Capacity 4500 Location 3430 Ft.
Clock No. 2082 Kelly Bushing Elevation 104 Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1819	P.S.I.	1:15 A	
B First Initial Flow Pressure	73	P.S.I.	60	60
C First Final Flow Pressure	70	P.S.I.	60	54
D Initial Closed-in Pressure	732	P.S.I.	30	30
E Second Initial Flow Pressure	85	P.S.I.	60	60
F Second Final Flow Pressure	84	P.S.I.		
G Final Closed-in Pressure	733	P.S.I.		
H Final Hydrostatic Mud	1794	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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	73	0	70	0	85	0	84
P 2 5	69	3	131	5	80	3	138
P 3 10	69	6	298	10	80	6	300
P 4 15	69	9	486	15	80	9	486
P 5 20	69	12	590	20	80	12	574
P 6 25	69	15	633	25	83	15	624
P 7 30	69	18	658	30	84	18	658
P 8 35	69	21	671			21	676
P 9 40	69	24	687			24	687
P10 45	69	27	694			27	696
P11 50	69	30	700			30	703
P12 55	70	33	707			33	707
P13 60	70	36	712			36	712
P14		39	716			39	716
P15		42	720			42	718
P16		45	724			45	721
P17		48	728			48	724
P18		51	730			51	727
P19		54	732			54	729
P20						57	731
						60	733



P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 8613

Elevation 2082 ^{elly} K. Bushing Formation K. City Eff. Pay Ft.

District St. Bend Date 10-26-80 Customer Order No.
COMPANY NAME K. & E. Petroleum, Inc.
ADDRESS 816 Union Center Bldg. Wichita, Ks. 67202
LEASE AND WELL NO. Bemis #1 COUNTY Ellis STATE Ks. Sec. 20 Twp. 13S Rge. 19W
Mail Invoice To Bemis #1 Co. Name Same Address Same No. Copies Requested 5
Mail Charts To Same Address Same No. Copies Requested 5

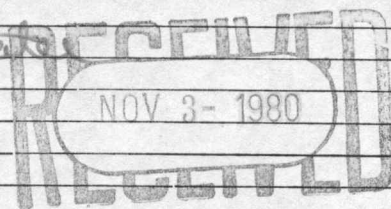
Formation Test No. 2 Interval Tested from 3470 ft. to 3520 ft. Total Depth 3520 ft.
Packer Depth 3470 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3465 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3477 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 3480 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Gibson #1 Drill Collar Length 207 I. D. 2.2 in.
Mud Type Starch Viscosity 40 Weight Pipe Length 152 I. D. 2.7 in.
Weight 9.5 Water Loss 13.4 cc. Drill Pipe Length 3090 I. D. 3.8 in.
Chlorides 66,000 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 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X in.

Initial Flow Period
Blow: FF - Weak and Building to a Strong Blow
FF - Weak and Building to a Fair Blow
Recovered 392 ft. of Light Oil Cut Water Mud
Recovered 186 ft. of Light Oil Cut Muddy Water
Recovered 62 ft. of Very Light Oil Cut Muddy Water
Recovered ft. of
Recovered 640 ft. of total fluid

Remarks: Read outside recorder # 4339



Time On Location 3:45 A.M. Time Pick Up Tool 4:30 A.M. Time Off Location 12:00 A.M.
Time Set Packer(s) 6:10 P.M. Time Started Off Bottom 9:10 A.M. Maximum Temperature 107°
Initial Hydrostatic Pressure 1792 P.S.I. (A)
Initial Flow Period 45 Minutes (B) 125 P.S.I. to (C) 161 P.S.I.
Initial Closed In Period 45 Minutes (D) 628 P.S.I.
Final Flow Period 45 Minutes (E) 241 P.S.I. to (F) 253 P.S.I.
Final Closed In Period 45 Minutes (G) 573 P.S.I.
Final Hydrostatic Pressure 1770 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 Thas Schmalz
Signature of Customer or his authorized representative

Western Representative Dan Delaney
Ray Schwager

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage N.C. \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-26 Recorder No. 4339 Capacity 4300 Location 3480 Ft.
 Clock No. Elevation 2082 KB Well Temperature 107 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1817</u> P.S.I.	<u>6:10</u> P _M	
B First Initial Flow Pressure	<u>134</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>166</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>636</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>247</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>256</u> P.S.I.		
G Final Closed-in Pressure	<u>585</u> P.S.I.		
H Final Hydrostatic Mud	<u>1767</u> P.S.I.		

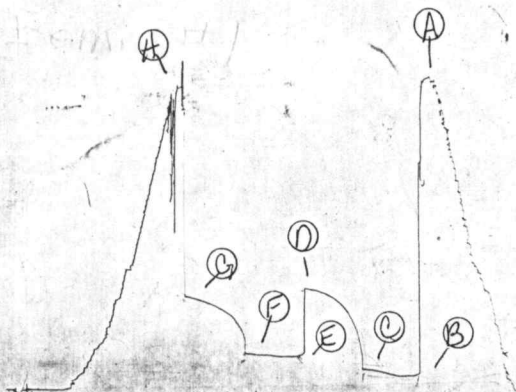
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>0</u>	<u>134</u>	<u>0</u>	<u>247</u>	<u>0</u>	<u>256</u>
P 2	<u>5</u>	<u>3</u>	<u>129</u>	<u>5</u>	<u>244</u>	<u>3</u>	<u>389</u>
P 3	<u>10</u>	<u>6</u>	<u>129</u>	<u>10</u>	<u>240</u>	<u>6</u>	<u>429</u>
P 4	<u>15</u>	<u>9</u>	<u>128</u>	<u>15</u>	<u>240</u>	<u>9</u>	<u>461</u>
P 5	<u>20</u>	<u>12</u>	<u>134</u>	<u>20</u>	<u>242</u>	<u>12</u>	<u>484</u>
P 6	<u>25</u>	<u>15</u>	<u>145</u>	<u>25</u>	<u>246</u>	<u>15</u>	<u>498</u>
P 7	<u>30</u>	<u>18</u>	<u>154</u>	<u>30</u>	<u>248</u>	<u>18</u>	<u>511</u>
P 8	<u>35</u>	<u>21</u>	<u>159</u>	<u>35</u>	<u>248</u>	<u>21</u>	<u>525</u>
P 9	<u>40</u>	<u>24</u>	<u>164</u>	<u>40</u>	<u>253</u>	<u>24</u>	<u>536</u>
P10	<u>45</u>	<u>27</u>	<u>166</u>	<u>45</u>	<u>256</u>	<u>27</u>	<u>545</u>
P11	<u>50</u>	<u>30</u>	<u>609</u>	<u>50</u>		<u>30</u>	<u>554</u>
P12	<u>55</u>	<u>33</u>	<u>621</u>	<u>55</u>		<u>33</u>	<u>563</u>
P13	<u>60</u>	<u>36</u>	<u>625</u>	<u>60</u>		<u>36</u>	<u>569</u>
P14		<u>39</u>	<u>629</u>	<u>65</u>		<u>39</u>	<u>578</u>
P15		<u>42</u>	<u>634</u>	<u>70</u>		<u>42</u>	<u>583</u>
P16		<u>45</u>	<u>636</u>	<u>75</u>		<u>45</u>	<u>585</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TK+ # 8613

O.

4339



Company K & E Petroleum, Inc. Lease & Well No. Bemis #1
 Elevation 2082 Kelly Bushing Kansas City Formation Ellis Effective Pay - Ft. Ticket No. 8613
 Date 10-26-80 Sec. 20 Twp. 13S Range 19W County Ellis State Kansas
 Test Approved by Charles Schmaltz Western Representative Dan Delaney- Ray Schwager
 Formation Test No. 2 Interval Tested from 3470 ft. to 3520 ft. Total Depth 3520 ft.
 Packer Depth 3470 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3465 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3477 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 3480 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Abercombie #1 Drill Collar Length 207 I. D. 2.2 in.
 Mud Type Starch Viscosity 40 Weight Pipe Length 152 I. D. 2.7 in.
 Weight 9.5 Water Loss 13.4 cc. Drill Pipe Length 3090 I. D. 3.8 in.
 Chlorides 66,000 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 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X in.

Blow: Initial flow period weak and building to a strong blow. Final flow period weak and building to a fair blow.

Recovered 392 ft. of gas & oil cut watery mud
 Recovered 186 ft. of slightly oil cut muddy water
 Recovered 62 ft. of very slightly oil cut muddy water
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:10 ~~AM~~ PM Time Started Off Bottom 9:10 ~~AM~~ PM Maximum Temperature 107
 Initial Hydrostatic Pressure 1817 P.S.I.
 Initial Flow Period 45 Minutes (B) 134 P.S.I. to (C) 166 P.S.I.
 Initial Closed In Period 45 Minutes (D) 636 P.S.I.
 Final Flow Period 45 Minutes (E) 247 P.S.I. to (F) 256 P.S.I.
 Final Closed In Period 45 Minutes (G) 585 P.S.I.
 Final Hydrostatic Pressure 1767 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 10-26-80Test Ticket No. 8613Recorder No. 4339Capacity 20 4300 Location 3480 Ft.Clock No. _____ Elevation 2082 Kelly Bushing Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1817 P.S.I.	Open Tool	6:10P M	
B First Initial Flow Pressure	134 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	166 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	636 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	247 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	256 P.S.I.			
G Final Closed-in Pressure	585 P.S.I.			
H Final Hydrostatic Mud	1767 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 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: 15 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	134	0	166	0	247	0	256
P 2 5	129	3	334	5	244	3	389
P 3 10	129	6	410	10	240	6	429
P 4 15	128	9	463	15	240	9	461
P 5 20	134	12	500	20	242	12	484
P 6 25	145	15	533	25	246	15	498
P 7 30	154	18	556	30	248	18	511
P 8 35	159	21	576	35	248	21	525
P 9 40	164	24	587	40	253	24	536
P10 45	166	27	600	45	256	27	545
P11		30	609			30	554
P12		33	621			33	563
P13		36	625			36	569
P14		39	629			39	578
P15		42	634			42	583
P16		45	636			45	585
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No.

8614

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 2082 K.B. Bushy Formation K. CityEff. Pay — Ft.

District Ht. Bend Date 10-27-80 Customer Order No. —
COMPANY NAME K & E Petroleum, Inc.
ADDRESS 816 Union Center Bldg. Wichita, Ks. 67202
LEASE AND WELL NO. Bemis #1 COUNTY Ellis STATE Ks. Sec. 20 Twp 13S Rge 19W
Mail Invoice To Same No. Copies Requested 5
Co. Name Same Address Same No. Copies Requested 5
Mail Charts To Same Address Same No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3559 ft. to 3610 ft. Total Depth 3610 ft.
Packer Depth 3559 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 3554 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —
Top Recorder Depth (Inside) 3566 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 3569 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —
Drilling Contractor Overconline #1 Drill Collar Length 207 I. D. 2.2 in.
Mud Type Starch Viscosity 52 Weight Pipe Length 152 I. D. 2.7 in.
Weight 9.9 Water Loss 4.8 cc. Drill Pipe Length 3179 I. D. 3.8 in.
Chlorides 66,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
Jars: Make — Serial Number — Anchor Length 5 1/2 ft. Size 5 1/2 in.
Did Well Flow? — Reversed Out — Surface Choke Size 1 1/2 in. Bottom Choke Size 1 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X in.

Blow FF - Weak Blow Initial Flow Period
FF - Very Weak Blow Final Flow Period

Recovered 10 ft. of DRUG MUD
Recovered — ft. of Drilling
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —

Remarks:

RECEIVED
NOV 3 - 1980

Time On Location 1:30 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location 8:30 A.M.
Time Set Packer(s) 4:15 A.M. Time Started Off Bottom 6:15 A.M. Maximum Temperature 106°
Initial Hydrostatic Pressure (A) 1882 P.S.I.
Initial Flow Period Minutes 30 (B) 45 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period Minutes 30 (D) 921 P.S.I.
Final Flow Period Minutes 30 (E) 45 P.S.I. to (F) 45 P.S.I.
Final Closed In Period Minutes 30 (G) 752 P.S.I.
Final Hydrostatic Pressure (H) 1871 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 Chas. Schmale
Signature of Customer or his authorized representative

Western Representative Dan Delaney
Ray Schwager

FIELD INVOICE

Open Hole Test \$550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage NC. \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-27-

Test Ticket No. 8614

Recorder No. 6234

Capacity 4500

Location 3566 Ft.

Clock No.

Elevation 2082 KB

Well Temperature 104 °F

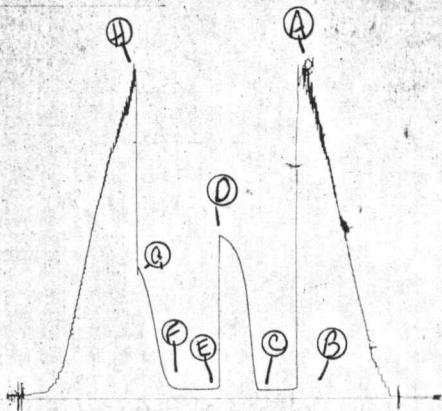
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1864</u>	P.S.I.	<u>4:15 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>64</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>55</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>950</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>67</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>60</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>773</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1846</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>64</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>179</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>		<u>6</u>	<u>385</u>	<u>10</u>		<u>6</u>	<u>85</u>
P 4 <u>15</u>		<u>9</u>	<u>550</u>	<u>15</u>		<u>9</u>	<u>131</u>
P 5 <u>20</u>		<u>12</u>	<u>696</u>	<u>20</u>		<u>12</u>	<u>206</u>
P 6 <u>25</u>		<u>15</u>	<u>791</u>	<u>25</u>		<u>15</u>	<u>312</u>
P 7 <u>30</u>	<u>55</u>	<u>18</u>	<u>856</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>438</u>
P 8 <u>35</u>		<u>21</u>	<u>890</u>	<u>35</u>		<u>21</u>	<u>545</u>
P 9 <u>40</u>		<u>24</u>	<u>919</u>	<u>40</u>		<u>24</u>	<u>630</u>
P10 <u>45</u>		<u>27</u>	<u>937</u>	<u>45</u>		<u>27</u>	<u>709</u>
P11 <u>50</u>		<u>30</u>	<u>950</u>	<u>50</u>		<u>30</u>	<u>773</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TK-#8614
I

6234



Company K & E Petroleum, Inc. Lease & Well No. Bemis #1
Elevation 2082 Kelly Bushing Kansas City Formation 13S Effective Pay - Ft. Ticket No. 8614
Date 10-27-80 Sec. 20 Twp. 19W Range Ellis County Ellis State Kansas
Test Approved by Charles Schmaltz Western Representative Dan Delaney - Ray Schwager

Formation Test No. 3 Interval Tested from 3559 ft. to 3610 ft. Total Depth 3610 ft.
Packer Depth 3559 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3554 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3566 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 3569 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Abercombie #1 Drill Collar Length 207 I. D. 2.2 in.
Mud Type Starch Viscosity 52 Weight Pipe Length 152 I. D. 2.7 in.
Weight 9.9 Water Loss 4.8 cc. Drill Pipe Length 3179 I. D. 3.8 in.
Chlorides 66,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 51 ft. Size 5 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 X in.

Blow: Weak blow initial flow period. Very weak blow final flow period.

Recovered 10 ft. of drilling mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 4:15 ~~AM~~ P.M. Time Started Off Bottom 6:15 ~~AM~~ P.M. Maximum Temperature 106
Initial Hydrostatic Pressure 1864 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 64 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period 30 Minutes (D) 950 P.S.I.
Final Flow Period 30 Minutes (E) 67 P.S.I. to (F) 60 P.S.I.
Final Closed In Period 30 Minutes (G) 773 P.S.I.
Final Hydrostatic Pressure 1846 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 10-27-80 Test Ticket No. 8614
 Recorder No. 6234 Capacity 4500 Location 3566 Ft.
 Clock No. _____ Elevation 2082 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1864	P.S.I.	4:15 P	M
B First Initial Flow Pressure	64	P.S.I.	30	Mins.
C First Final Flow Pressure	55	P.S.I.	30	Mins.
D Initial Closed-in Pressure	950	P.S.I.	30	Mins.
E Second Initial Flow Pressure	67	P.S.I.	30	Mins.
F Second Final Flow Pressure	60	P.S.I.	30	Mins.
G Final Closed-in Pressure	773	P.S.I.		
H Final Hydrostatic Mud	1846	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>64</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>55</u>	<u>3</u>	<u>179</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>	<u>55</u>	<u>6</u>	<u>385</u>	<u>10</u>	<u>60</u>	<u>6</u>	<u>85</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>550</u>	<u>15</u>	<u>60</u>	<u>9</u>	<u>131</u>
P 5 <u>20</u>	<u>55</u>	<u>12</u>	<u>696</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>206</u>
P 6 <u>25</u>	<u>55</u>	<u>15</u>	<u>791</u>	<u>25</u>	<u>60</u>	<u>15</u>	<u>312</u>
P 7 <u>30</u>	<u>55</u>	<u>18</u>	<u>856</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>438</u>
P 8 _____		<u>21</u>	<u>890</u>			<u>21</u>	<u>545</u>
P 9 _____		<u>24</u>	<u>919</u>			<u>24</u>	<u>630</u>
P10 _____		<u>27</u>	<u>937</u>			<u>27</u>	<u>709</u>
P11 _____		<u>30</u>	<u>950</u>			<u>30</u>	<u>773</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. **8615**
Elevation **2082** ft. Formation **K. Bush** Eff. Pay **—** Ft.

District **BT Bend** Date **10-28-80** Customer Order No. **—**
COMPANY NAME **K & E Petroleum Inc.**
ADDRESS **816 Union Center Bldg. Wichita KS. 67202**
LEASE AND WELL NO. **Bemis #1** COUNTY **Ellis** STATE **KS.** Sec. **20** Twp. **13** Rge. **19**
Mail Invoice To **Bemis #1** Co. Name **Same** Address **Same** No. Copies Requested **5**
Mail Charts To **Same** Address **Same** No. Copies Requested **5**

Formation Test No. **4** Interval Tested from **3691** ft. to **3782** ft. Total Depth **3782** ft.
Packer Depth **3691** ft. Size **6 3/4** in. Packer Depth **—** ft. Size **—** in.
Packer Depth **3686** ft. Size **6 3/4** in. Packer Depth **—** ft. Size **—** in.
Depth of Selective Zone Set **—**
Top Recorder Depth (Inside) **3708** ft. Recorder Number **6234** Cap. **4500**
Bottom Recorder Depth (Outside) **3711** ft. Recorder Number **4339** Cap. **4300**
Below Straddle Recorder Depth **—** ft. Recorder Number **—** Cap. **—**
Drilling Contractor **Albercombie #1** Drill Collar Length **207** I. D. **2.2** in.
Mud Type **Starch** Viscosity **43** Weight Pipe Length **152** I. D. **2.7** in.
Weight **9.9** Water Loss **10.4** cc. Drill Pipe Length **3311** I. D. **3.18** in.
Chlorides **60000** P.P.M. Test Tool Length **21** ft. Tool Size **4 1/2** in.
Jars: Make **—** Serial Number **—** Anchor Length **91** ft. Size **5 1/2** in.
Did Well Flow? **—** Reversed Out **—** Surface Choke Size **1/2** in. Bottom Choke Size **1/2** in.
Main Hole Size **2 7/8** in. Tool Joint Size **4 1/2** in.

Initial Flow Period **—**
Blow: **FF - Weak Blow Building to a Strong Blow in 7 Min.**
FF - Weak Blow Building to a Good Blow
Recovered **360** ft. of **GAS CUT OIL**
Recovered **120** ft. of **HEAVILY OIL CUT MUD**
Recovered **—** ft. of **—**
Recovered **—** ft. of **—**
Recovered **—** ft. of **—**
Remarks: **—**

RECEIVED
NOV 3 - 1980

Time On Location **6:05** A.M. Time Pick Up Tool **7:00** A.M. Time Off Location **3:00** A.M.
Time Set Packer(s) **9:25** P.M. Time Started Off Bottom **11:55** P.M. Maximum Temperature **108°**
Initial Hydrostatic Pressure **1961** P.S.I. (A)
Initial Flow Period **30** Minutes (B) **114** P.S.I. to (C) **183** P.S.I.
Initial Closed In Period **45** Minutes (D) **493** P.S.I.
Final Flow Period **30** Minutes (E) **206** P.S.I. to (F) **217** P.S.I.
Final Closed In Period **45** Minutes (G) **355** P.S.I.
Final Hydrostatic Pressure **1950** 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 **Chas Schmalz**
Signature of Customer or his authorized representative

Western Representative **Dan Delaney**
Ray Schwager

FIELD INVOICE

Open Hole Test **5500.00**
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage **N.C.** \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL **5500.00**

WESTERN TESTING CO., INC.

Pressure Data

Date 10-28 Test Ticket No. 8615
 Recorder No. 6234 Capacity 4500 Location 3708 Ft.
 Clock No. _____ Elevation 2082 KB Well Temperature 108 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1966</u> P.S.I.	Open Tool	<u>9:25</u> P	M
B First Initial Flow Pressure <u>112</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>188</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure <u>489</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure <u>222</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure <u>220</u> P.S.I.			
G Final Closed-in Pressure <u>362</u> P.S.I.			
H Final Hydrostatic Mud <u>1946</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>15</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>15</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>112</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>222</u>	<u>0</u>	<u>220</u>
P 2 <u>5</u>	<u>119</u>	<u>3</u>	<u>291</u>	<u>5</u>	<u>213</u>	<u>3</u>	<u>245</u>
P 3 <u>10</u>	<u>151</u>	<u>6</u>	<u>321</u>	<u>10</u>	<u>211</u>	<u>6</u>	<u>259</u>
P 4 <u>15</u>	<u>156</u>	<u>9</u>	<u>346</u>	<u>15</u>	<u>213</u>	<u>9</u>	<u>271</u>
P 5 <u>20</u>	<u>163</u>	<u>12</u>	<u>364</u>	<u>20</u>	<u>216</u>	<u>12</u>	<u>282</u>
P 6 <u>25</u>	<u>186</u>	<u>15</u>	<u>381</u>	<u>25</u>	<u>218</u>	<u>15</u>	<u>291</u>
P 7 <u>30</u>	<u>188</u>	<u>18</u>	<u>397</u>	<u>30</u>	<u>220</u>	<u>18</u>	<u>300</u>
P 8 <u>35</u>		<u>21</u>	<u>413</u>	<u>35</u>		<u>21</u>	<u>310</u>
P 9 <u>40</u>		<u>24</u>	<u>427</u>	<u>40</u>		<u>24</u>	<u>317</u>
P10 <u>45</u>		<u>27</u>	<u>438</u>	<u>45</u>		<u>27</u>	<u>326</u>
P11 <u>50</u>		<u>30</u>	<u>447</u>	<u>50</u>		<u>30</u>	<u>333</u>
P12 <u>55</u>		<u>33</u>	<u>459</u>	<u>55</u>		<u>33</u>	<u>339</u>
P13 <u>60</u>		<u>36</u>	<u>468</u>	<u>60</u>		<u>36</u>	<u>349</u>
P14		<u>39</u>	<u>477</u>	<u>65</u>		<u>39</u>	<u>353</u>
P15		<u>42</u>	<u>484</u>	<u>70</u>		<u>42</u>	<u>358</u>
P16		<u>45</u>	<u>489</u>	<u>75</u>		<u>45</u>	<u>362</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Company K. & E. Petroleum, Inc. Lease & Well No. Bemis #1
Elevation 2082 Kelly Bushing Marmaton Conglomerate Effective Pay ----- Ft. Ticket No. 8615
Date 10/28/80 Sec. 20 Twp. 13S Range 19W County Ellis State Kansas
Test Approved by Chas. Schmaltz Western Representative Dan Delaney-Ray Schwager

Formation Test No. 4 Interval Tested from 3691 ft. to 3782 ft. Total Depth 3782 ft.

Packer Depth 3691 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3686 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3708 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3711 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor Abercrombie Drilling Rig #1 Drill Collar Length 207 I. D. 2.2 in.

Mud Type starch Viscosity 43 Weight Pipe Length 152 I. D. 2.7 in.

Weight 9.9 Water Loss 10.4 cc. Drill Pipe Length 3311 I. D. 3.8 in.

Chlorides 60,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 91 ft. Size 5 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: Initial flow period weak blow building to a strong blow in seven minutes. Final flow weak building to a good blow.

Recovered 360 ft. of gas cut oil

Recovered 120 ft. of heavily oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:25 ~~A.M.~~ P.M. Time Started Off Bottom 11:55 ~~A.M.~~ P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure 1966 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 112 P.S.I. to (C) 188 P.S.I.

Initial Closed In Period 45 Minutes (D) 489 P.S.I.

Final Flow Period 30 Minutes (E) 222 P.S.I. to (F) 220 P.S.I.

Final Closed In Period 45 Minutes (G) 362 P.S.I.

Final Hydrostatic Pressure 1946 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-28-80

Recorder No. 6234

Capacity 4500

Test Ticket No. 8615

Location 3708 Ft.

Clock No. 2082 Kelly Bushing

Elevation 108 °F

Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1966	P.S.I.	9:25 P	M
B First Initial Flow Pressure	112	P.S.I.	30	Mins.
C First Final Flow Pressure	188	P.S.I.	45	Mins.
D Initial Closed-in Pressure	489	P.S.I.	30	Mins.
E Second Initial Flow Pressure	222	P.S.I.	45	Mins.
F Second Final Flow Pressure	220	P.S.I.		
G Final Closed-in Pressure	362	P.S.I.		
H Final Hydrostatic Mud	1946	P.S.I.		

PRESSURE BREAKDOWN

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

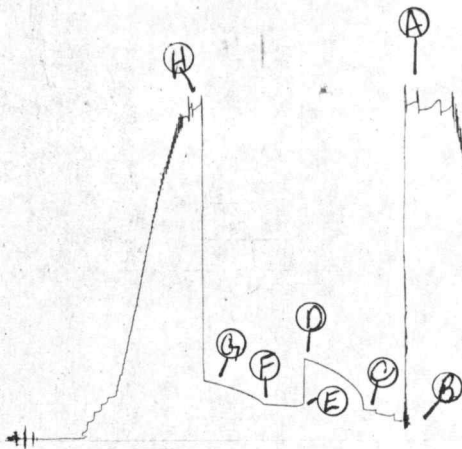
Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 15 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>112</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>222</u>	<u>0</u>	<u>220</u>
P 2 <u>5</u>	<u>119</u>	<u>3</u>	<u>291</u>	<u>5</u>	<u>213</u>	<u>3</u>	<u>245</u>
P 3 <u>10</u>	<u>151</u>	<u>6</u>	<u>321</u>	<u>10</u>	<u>211</u>	<u>6</u>	<u>259</u>
P 4 <u>15</u>	<u>156</u>	<u>9</u>	<u>346</u>	<u>15</u>	<u>213</u>	<u>9</u>	<u>271</u>
P 5 <u>20</u>	<u>163</u>	<u>12</u>	<u>364</u>	<u>20</u>	<u>216</u>	<u>12</u>	<u>282</u>
P 6 <u>25</u>	<u>186</u>	<u>15</u>	<u>381</u>	<u>25</u>	<u>218</u>	<u>15</u>	<u>291</u>
P 7 <u>30</u>	<u>188</u>	<u>18</u>	<u>397</u>	<u>30</u>	<u>220</u>	<u>18</u>	<u>300</u>
P 8		<u>21</u>	<u>413</u>			<u>21</u>	<u>310</u>
P 9		<u>24</u>	<u>427</u>			<u>24</u>	<u>317</u>
P10		<u>27</u>	<u>438</u>			<u>27</u>	<u>326</u>
P11		<u>30</u>	<u>447</u>			<u>30</u>	<u>333</u>
P12		<u>33</u>	<u>459</u>			<u>33</u>	<u>339</u>
P13		<u>36</u>	<u>468</u>			<u>36</u>	<u>349</u>
P14		<u>39</u>	<u>477</u>			<u>39</u>	<u>353</u>
P15		<u>42</u>	<u>484</u>			<u>42</u>	<u>358</u>
P16		<u>45</u>	<u>489</u>			<u>45</u>	<u>362</u>
P17							
P18							
P19							
P20							

TK+ 8615
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