



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21718

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation Miss Elevation 1469 KB Eff. Pay Ft.

District Pratt Date 12-14-76 Customer Order No.

COMPANY NAME Gear Pet. Co. 1325 Vickers KSBT Build Wichita Ks. 67202

ADDRESS [Redacted]

LEASE AND WELL NO. #2 Loglitter COUNTY Kingman STATE Kansas Sec. 4 Twp. 30S Rge 2W

Mail Inv. To same Co. Name Address No. Copies Requested usual

Mail Charts To same Address No. Copies Requested usual

Formation Test No. #1 O.K. X Misrun Interval Tested From 4093 to 4118 Total Depth 4118

Size Main Hole 7 7/8 Rat Hole Conv. X B.T. Damaged Yes X No Conv. B.T. X Damaged Yes X No

Top Packer Depth 4088 Ft. Size 6 3/4 Bottom Packer Depth 4093 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5300 Tool Joint Size 4 1/2 FT Anchor Length 25 Ft. Size 5300 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4100 Ft. Clock No. 6866 Depth 4113 Ft. Clock No. 4763

Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Outside

Time Set Packer 3:10 P.M.

Tool Open I.F.P. From 3:12 P.M. to 3:57 P.M. Hr. 45 Min. From (B) 31 43 P.S.I. To (C) 31 31 P.S.I.

Tool Closed I.C.I.P. From 3:57 P.M. to 4:42 P.M. Hr. 45 Min. (D) 373 387 P.S.I.

Tool Open F.F.P. From 4:42 P.M. to 5:27 P.M. Hr. 45 Min. From (E) 31 36 P.S.I. To (F) 31 30 P.S.I.

Tool Closed F.C.I.P. From 5:27 P.M. to 6:12 P.M. Hr. 45 Min. (G) 448 455 P.S.I.

Initial Hydrostatic Pressure (A) 2,000 P.S.I. Final Hydrostatic Pressure (H) 2,000 1991 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test gas to sur. in 1 hr + 2 min (not enough to gauge)

Did Well Flow Yes X No Recovery Total Ft. 52 ft 1/2 oil spurted gas cut mud

Reversed Out Yes No Mud Type Driscap Viscosity 40 Weight 9.3 Water Loss 104 cc. Chlorides 16500

EXTRA EQUIPMENT: Type Circ. Sub. yes Safety Joint Jars: Size In. Make Ser. No.

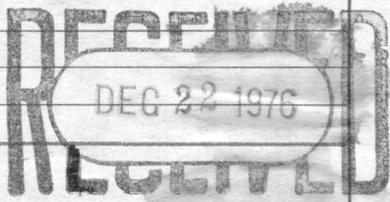
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where?

DRILLING CONTRACTOR Red Tiger Rig #6 Length Drill Pipe 3075 ft. I.D. Drill Pipe 2.9 In. Tool Joint Size 4 1/2 FT In.

Length Weight Pipe 1136 ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FT In. Length Drill Collars ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 47 ft.

Remarks



INVOICE SECTION

Table with 2 columns: Item Name and Amount. Includes Open Hole Test (\$415.00), Straddle Test, Jars, Selective Zone, Safety Joint, Misrun, Evaluation, Packer, Circ. Sub., Total.

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Western Representative [Signature] Operator's Time [Signature] Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-14-76 Test Ticket No. 21718
 Recorder No. 2604 Capacity 4150 Location 4110 Ft.
 Clock No. 6866 Elevation 1469 K.B. Well Temperature 124 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1991</u> P.S.I.		<u>3:10 P</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>387</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>38</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>30</u> P.S.I.			
G Final Closed-in Pressure	<u>455</u> P.S.I.			
H Final Hydrostatic Mud	<u>1991</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>43</u>	0	<u>31</u>	0	<u>38</u>	0	<u>30</u>
P 2 5	<u>32</u>	3	<u>72</u>	5	<u>30</u>	3	<u>64</u>
P 3 10	<u>33</u>	6	<u>113</u>	10	<u>30</u>	6	<u>100</u>
P 4 15	<u>33</u>	9	<u>149</u>	15	<u>30</u>	9	<u>132</u>
P 5 20	<u>30</u>	12	<u>179</u>	20	↓	12	<u>162</u>
P 6 25	<u>30</u>	15	<u>209</u>	25		15	<u>194</u>
P 7 30	<u>30</u>	18	<u>235</u>	30		18	<u>224</u>
P 8 35	<u>31</u>	21	<u>250</u>	35		21	<u>250</u>
P 9 40	<u>31</u>	24	<u>275</u>	40		24	<u>275</u>
P10 45	<u>31</u>	27	<u>296</u>	45		27	<u>303</u>
P11 50		30	<u>314</u>	50		30	<u>327</u>
P12 55		33	<u>331</u>	55		33	<u>350</u>
P13 60		36	<u>348</u>	60		36	<u>374</u>
P14		39	<u>363</u>	65		39	<u>395</u>
P15		42	<u>378</u>	70	42	<u>419</u>	
P16		45	<u>387</u>	75	45	<u>438</u>	
P17		48		80	48	<u>455</u>	
P18		51		85	51		
P19		54		90	54		
P20		57			57		
		60			60		



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Gear Petroleum Co. Lease & Well No. Legliter #2
 Elevation 1469 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 21718
 Date 12-14-76 Sec. 4 Twp. 30S Range 7W County Kingman State Kansas
 Test Approved by Fred S. Lillibridge Western Representative Lonnie J. Cline

Formation Test No. 1 O.K. Misrun Interval Tested From 4093' to 4118' Total Depth 4118'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4088 Ft. Size 6 3/4 Bottom Packer Depth 4093 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 25 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4110 Ft. Clock No. 6866 Depth 4113 Ft. Clock No. 4763
 Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 3:10P. M
 Tool Open I.F.P. From 3:12P M. to 3:57P M. - Hr. 45 Min. From (B) 43 P.S.I. To (C) 31 P.S.
 Tool Closed I.C.I.P. From 3:57P M. to 4:42P M. - Hr. 45 Min (D) 387 P.S.
 Tool Open F.F.P. From 4:42P M. to 5:27P M. - Hr. 45 Min. From (E) 38 P.S.I. To (F) 30 P.S.
 Tool Closed F.C.I.P. From 5:27P M. to 6:12P M. - Hr. 45 Min. (G) 455 P.S.
 Initial Hydrostatic Pressure (A) 1991 P.S.I. Final Hydrostatic Pressure (H) 1991 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test. Gas to surface in one hour and 2 minutes, not enough gas to guage.

Did Well Flow - Yes No Recovery Total Ft. 52' of very slightly oil spotted and gas cut mud.

Reversed Out - Yes No Mud Type Drispac Viscosity 40 Weight 9.3 Water Loss 10.4 cc. Chlorides 16,500 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Drlg. (#6) Length Drill Pipe? 3835 Ft. I.D. Drill Pipe 3.9 In. Tool Joint Size 4 1/2 FH

Length Weight Pipe 1136 Ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars -

Tool Joint Size - In. Length D.S.T. Tool 47 Ft.

Remarks:

WESTERN TESTING CO., INC.
-Pressure Data

Date 12-14-76 Test Ticket No. 21718
 Recorder No. 2604 Capacity 4150 Location 4110 Ft.
 Clock No. 6866 Elevation 1469 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1991</u>	P.S.I.	<u>3:10P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>43</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
C First Final Flow Pressure	<u>31</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>387</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<u>45</u>	<u>48</u> Mins.
F Second Final Flow Pressure	<u>30</u>	P.S.I.		
G Final Closed-in Pressure	<u>455</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1991</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>30</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>64</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>113</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>100</u>
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>147</u>	<u>15</u>	<u>30</u>	<u>9</u>	<u>132</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>179</u>	<u>20</u>	<u>30</u>	<u>12</u>	<u>162</u>
P 6 <u>25</u>	<u>30</u>	<u>15</u>	<u>209</u>	<u>25</u>	<u>30</u>	<u>15</u>	<u>194</u>
P 7 <u>30</u>	<u>30</u>	<u>18</u>	<u>235</u>	<u>30</u>	<u>30</u>	<u>18</u>	<u>224</u>
P 8 <u>35</u>	<u>31</u>	<u>21</u>	<u>256</u>	<u>35</u>	<u>30</u>	<u>21</u>	<u>250</u>
P 9 <u>40</u>	<u>31</u>	<u>24</u>	<u>275</u>	<u>40</u>	<u>30</u>	<u>24</u>	<u>275</u>
P10 <u>45</u>	<u>31</u>	<u>27</u>	<u>296</u>	<u>45</u>	<u>30</u>	<u>27</u>	<u>303</u>
P11		<u>30</u>	<u>314</u>			<u>30</u>	<u>327</u>
P12		<u>33</u>	<u>331</u>			<u>33</u>	<u>350</u>
P13		<u>36</u>	<u>348</u>			<u>36</u>	<u>374</u>
P14		<u>39</u>	<u>363</u>			<u>39</u>	<u>395</u>
P15		<u>42</u>	<u>378</u>			<u>42</u>	<u>419</u>
P16		<u>45</u>	<u>387</u>			<u>45</u>	<u>438</u>
P17						<u>48</u>	<u>455</u>
P18							
P19							
P20							

TKT #21718

I

H

H

G

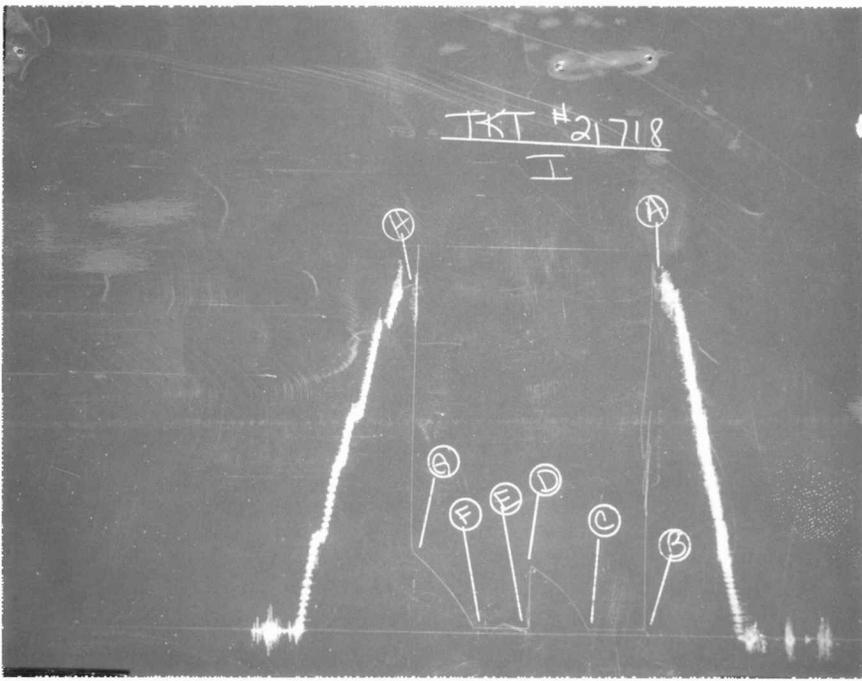
F

E

D

C

B





P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21719

Formation Miss Elevation 1469 KB Eff. Pay _____ Ft.

District Pratt Date 12-14-76 Customer Order No. _____

COMPANY NAME Gear Pet Co.

ADDRESS 1325 Vickers KSBT Build. Wichita Ks 67202

LEASE AND WELL NO. #2 Hegliter COUNTY Kingman STATE Kansas Sec. 4 Twp. 30S Rge. 2W

Mail Inv. To same Co. Name _____ Address _____ No. Copies Requested usual

Mail Charts To same Address _____ No. Copies Requested usual

Formation Test No. #2 O.K. Misrun _____ Interval Tested From 4120 to 4150 Total Depth 4150

Size Main Hole 2 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes No Conv. _____ B.T. Damaged Yes No

Top Packer Depth 4115 Ft. Size 6 3/4 Bottom Packer Depth 4120 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 Tool Joint Size 4 1/2 FT Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4142 Ft. Clock No. 6866 Depth 4145 Ft. Clock No. 4763

Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Outside _____ Depth _____ Ft. Rec. No. _____ Clock No. _____ Outside _____

Time Set Packer 5:35 9M

Tool Open I.F.P. From 5:37 AM to 6:22 AM Hr. 45 Min. From (B) 53 P.S.I. To (C) 53 38 P.S.I.

Tool Closed I.C.I.P. From 6:22 AM to 7:07 AM Hr. 45 Min. (D) _____ P.S.I.

Tool Open F.F.P. From 7:07 AM to 7:52 AM Hr. 45 Min. From (E) 63 49 P.S.I. To (F) 53 41 P.S.I.

Tool Closed F.C.I.P. From 7:52 AM to 8:37 AM Hr. 45 Min. (G) 794 759 P.S.I.

Initial Hydrostatic Pressure (A) 2,063 P.S.I. Final Hydrostatic Pressure (H) 2,042 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test

Did Well Flow Yes No _____ Recovery Total Fr. 60ft ref oil cut mud

Reversed Out Yes No _____ Mud Type pipe Viscosity 40 Weight 9.6 Water Loss 10.4 cc. Chlorides 16500

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

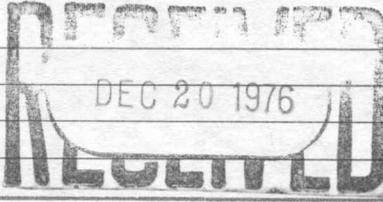
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____

DRILLING CONTRACTOR Red Tiger Drly Co. Length Drill Pipe 3963 ft. I.D. Drill Pipe 3.9 In. Tool Joint Size 4 1/2 FT

Length Weight Pipe 1136 ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FT In. Length Drill Collars _____ ft. I.D. Drill Collars _____ In.

Tool Joint Size _____ In. Length D.S.T. Tool 51 ft.

Remarks _____



INVOICE SECTION

Open Hole Test	\$ 415.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 415.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jud. Littlebridge Western Representative Lennie J. Ceni
Signature of Customer or his Authorized Representative Operator's Time 3 Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-14-76 Test Ticket No. 21719
 Recorder No. 2604 Capacity 4150 Location 4142 Ft.
 Clock No. 6866 Elevation 1469 KB Well Temperature 126 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2021</u> P.S.I.	<u>5:35</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>655</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.	<u>45</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.		
G Final Closed-in Pressure	<u>759</u> P.S.I.		
H Final Hydrostatic Mud	<u>2006</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>16</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>17</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>40</u>	0	<u>38</u>	0	<u>49</u>	0	<u>41</u>
P 2	<u>34</u>	3	<u>79</u>	5	<u>37</u>	3	<u>100</u>
P 3	<u>34</u>	6	<u>121</u>	10	<u>37</u>	6	<u>162</u>
P 4	<u>34</u>	9	<u>157</u>	15	<u>39</u>	9	<u>218</u>
P 5	<u>35</u>	12	<u>164</u>	20	<u>40</u>	12	<u>275</u>
P 6	<u>36</u>	15	<u>168</u>	25	<u>40</u>	15	<u>327</u>
P 7	<u>36</u>	18	<u>168</u>	30	<u>40</u>	18	<u>374</u>
P 8	<u>37</u>	21	<u>203</u>	35	<u>41</u>	21	<u>425</u>
P 9	<u>37</u>	24	<u>254</u>	40	<u>41</u>	24	<u>468</u>
P10	<u>38</u>	27	<u>307</u>	45	<u>41</u>	27	<u>508</u>
P11		30	<u>372</u>	50		30	<u>546</u>
P12		33	<u>429</u>	55		33	<u>584</u>
P13		36	<u>491</u>	60		36	<u>615</u>
P14		39	<u>548</u>	65		39	<u>650</u>
P15		42	<u>592</u>	70		42	<u>682</u>
P16		45	<u>634</u>	75		45	<u>709</u>
P17		48	<u>655</u>	80		48	<u>736</u>
P18		<u>51</u>		85		51	<u>759</u>
P19		<u>54</u>		90		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		60				<u>60</u>	



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Gear Petroleum Co. Lease & Well No. Legliter #2

Elevation 1469 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 21719

Date 12-14-76 Sec. 4 Twp. 30S Range 7W County Kingman State Kansas

Test Approved by Fred S. Lillibridge Western Representative Lonnie J. Cline

Formation Test No. 2 O.K. Misrun Interval Tested From 4120' to 4150' Total Depth 4150'

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 4115 Ft. Size 6 3/4 Bottom Packer Depth 4120 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4142 Ft. Clock No. 6866 Depth 4145 Ft. Clock No. 4763

Top Make Kuster Cap. 4150 No. 2604 Inside 5755 Bottom Make Kuster Cap. 4000 No. 3660 Outside 5755

Below Straddle: Depth - Rec. No. - Clock No. - Inside - Depth - Ft. Rec. No. - Clock No. - Outside -

Time Set Packer 5:35A. M

Tool Open I.F.P. From 5:37A M. to 6:22A M. - Hr. 45 Min. From (B) 40 P.S.I. To (C) 38 P.S.I.

Tool Closed I.C.I.P. From 6:22A M. to 7:07A M. - Hr. 45 Min (D) 655 P.S.I.

Tool Open F.F.P. From 7:07A M. to 7:52A M. - Hr. 45 Min. From (E) 49 P.S.I. To (F) 41 P.S.I.

Tool Closed F.C.I.P. From 7:52A M. to 8:37A M. - Hr. 45 Min. (G) 759 P.S.I.

Initial Hydrostatic Pressure (A) 2021 P.S.I. Final Hydrostatic Pressure (H) 2006 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 60' of heavy oil cut mud.

Reversed Out Yes No Mud Type Drispac Viscosity 40 Weight 9.6 Water Loss 10.4 cc. Chlorides 16,500 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Drlg. Co. Length Drill Pipe? 3963 Ft. I.D. Drill Pipe 3.9 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 1136 Ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 51 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 12-14-76 Test Ticket No. 21719
 Recorder No. 2604 Capacity 4150 Location 4142 Ft.
 Clock No. 6866 Elevation 1469 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2021</u> P.S.I.	Open Tool	<u>5:35A.</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>655</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>51</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>759</u> P.S.I.			
H Final Hydrostatic Mud	<u>2006</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>9</u> mins. and a final inc. of <u>0</u> Min.		of <u>16</u> mins. and a final inc. of <u>0</u> Min.		of <u>9</u> mins. and a final inc. of <u>0</u> Min.		of <u>17</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>40</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>41</u>	
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>79</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>100</u>	
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>121</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>162</u>	
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>151</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>218</u>	
P 5 <u>20</u>	<u>35</u>	<u>12</u>	<u>164</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>275</u>	
P 6 <u>25</u>	<u>36</u>	<u>15</u>	<u>168</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>327</u>	
P 7 <u>30</u>	<u>36</u>	<u>18</u>	<u>203</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>374</u>	
P 8 <u>35</u>	<u>37</u>	<u>21</u>	<u>254</u>	<u>35</u>	<u>41</u>	<u>21</u>	<u>425</u>	
P 9 <u>40</u>	<u>37</u>	<u>24</u>	<u>307</u>	<u>40</u>	<u>41</u>	<u>24</u>	<u>468</u>	
P10 <u>45</u>	<u>38</u>	<u>27</u>	<u>372</u>	<u>45</u>	<u>41</u>	<u>27</u>	<u>508</u>	
P11		<u>30</u>	<u>429</u>			<u>30</u>	<u>546</u>	
P12		<u>33</u>	<u>491</u>			<u>33</u>	<u>584</u>	
P13		<u>36</u>	<u>548</u>			<u>36</u>	<u>615</u>	
P14		<u>39</u>	<u>592</u>			<u>39</u>	<u>650</u>	
P15		<u>42</u>	<u>634</u>			<u>42</u>	<u>682</u>	
P16		<u>45</u>	<u>655</u>			<u>45</u>	<u>709</u>	
P17		<u>48</u>				<u>48</u>	<u>726</u>	
P18						<u>51</u>	<u>739</u>	
P19								
P20								

TKT # 21719

II

