



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5213

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

Elevation 2725 KB Formation MORROW Eff. Pay Ft.

District Pratt Date 2-25-80 Customer Order No.
COMPANY NAME Pickwell Drilling Co.
ADDRESS Wichita KS 110 N. Market Linton Bldg Suite 205
LEASE AND WELL NO. Shimble Trust #1 COUNTY Meade STATE KS Sec. 17 Twp 33 Rge 30
Mail Invoice To Shimble Trust #1 Co. Name Address No. Copies Requested Reg
Mail Charts To Same Address No. Copies Requested Reg

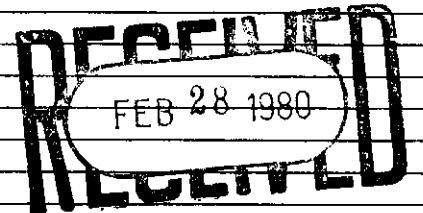
Formation Test No. 1 Interval Tested from 5614 ft. to 5644 ft. Total Depth 5644 ft.
Packer Depth 5609 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 5614 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 5619 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 5622 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Pickwell Rig #1 Drill Collar Length 300 ft. I. D. 2.25 in.
Mud Type Dispersed Viscosity 40 Weight Pipe Length I. D. in.
Weight 8.8 Water Loss 10.2 cc. Drill Pipe Length 5287 I. D. 4.0 in.
Chlorides 50000 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.
Jars: Make HTC Serial Number 31660 Anchor Length 30 ft. Size 4 1/2 in.
Did Well Flow? Reversed Out Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 2 1/8 in. Tool Joint Size in.

Blow: Very weak shut-out Initial flow.
NO Blow on Final flow.

Recovered 300 ft. of Dalg mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: CHLORIDES 30,000



Time Set Packer(s) 3:30 A.M. Time Started Off Bottom 7:30 A.M. Maximum Temperature
Initial Hydrostatic Pressure (A) 2643 P.S.I.
Initial Flow Period 30 Minutes (B) 200 P.S.I. to (C) 188 P.S.I.
Initial Closed In Period 60 Minutes (D) 355 P.S.I.
Final Flow Period 60 Minutes (E) 211 P.S.I. to (F) 188 P.S.I.
Final Closed In Period 90 Minutes (G) 300 P.S.I.
Final Hydrostatic Pressure (H) 2632 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 Bob Hammon
Signature of Customer or his authorized representative

Western Representative Stuart Stover

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$
Straddle Test \$
Jars \$ 275.00
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

TOTAL \$ 910.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-25-80 Test Ticket No. 5213
 Recorder No. 11018 Capacity 4425 Location 5619 Ft.
 Clock No. _____ Elevation 2725 KB Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2646</u> P.S.I.	Open Tool	<u>3:00</u> A	
B First Initial Flow Pressure	<u>216</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>201</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>369</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>213</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>204</u> P.S.I.			
G Final Closed-in Pressure	<u>311</u> P.S.I.			
H Final Hydrostatic Mud	<u>2624</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>216</u>	<u>0</u>	<u>201</u>	<u>0</u>	<u>204</u>
P 2	<u>5</u>	<u>3</u>	<u>207</u>	<u>3</u>	<u>209</u>	<u>3</u>	<u>207</u>
P 3	<u>10</u>	<u>6</u>	<u>203</u>	<u>6</u>	<u>218</u>	<u>6</u>	<u>211</u>
P 4	<u>15</u>	<u>9</u>	<u>201</u>	<u>9</u>	<u>224</u>	<u>9</u>	<u>213</u>
P 5	<u>20</u>	<u>12</u>	<u>201</u>	<u>12</u>	<u>236</u>	<u>12</u>	<u>216</u>
P 6	<u>25</u>	<u>15</u>	<u>201</u>	<u>15</u>	<u>244</u>	<u>15</u>	<u>219</u>
P 7	<u>30</u>	<u>18</u>	<u>201</u>	<u>18</u>	<u>253</u>	<u>18</u>	<u>222</u>
P 8	<u>35</u>	<u>21</u>	<u>201</u>	<u>21</u>	<u>262</u>	<u>21</u>	<u>227</u>
P 9	<u>40</u>	<u>24</u>	<u>201</u>	<u>24</u>	<u>271</u>	<u>24</u>	<u>229</u>
P 10	<u>45</u>	<u>27</u>	<u>201</u>	<u>27</u>	<u>280</u>	<u>27</u>	<u>232</u>
P 11	<u>50</u>	<u>30</u>	<u>201</u>	<u>30</u>	<u>288</u>	<u>30</u>	<u>234</u>
P 12	<u>55</u>	<u>33</u>	<u>201</u>	<u>33</u>	<u>297</u>	<u>33</u>	<u>239</u>
P 13	<u>60</u>	<u>36</u>	<u>201</u>	<u>36</u>	<u>305</u>	<u>36</u>	<u>242</u>
P 14		<u>39</u>	<u>201</u>	<u>39</u>	<u>314</u>	<u>39</u>	<u>244</u>
P 15		<u>42</u>	<u>201</u>	<u>42</u>	<u>322</u>	<u>42</u>	<u>249</u>
P 16		<u>45</u>	<u>201</u>	<u>45</u>	<u>331</u>	<u>45</u>	<u>251</u>
P 17		<u>48</u>	<u>201</u>	<u>48</u>	<u>339</u>	<u>48</u>	<u>254</u>
P 18		<u>51</u>	<u>201</u>	<u>51</u>	<u>346</u>	<u>51</u>	<u>259</u>
P 19		<u>54</u>	<u>201</u>	<u>54</u>	<u>354</u>	<u>54</u>	<u>262</u>
P 20		<u>57</u>	<u>201</u>	<u>57</u>	<u>362</u>	<u>57</u>	<u>265</u>
		<u>60</u>	<u>201</u>	<u>60</u>	<u>369</u>	<u>60</u>	<u>269</u>

Cont

Pressure Data

Test Ticket No. 5213

No. _____ Capacity _____ Location _____

No. _____ Elevation _____ Well Temperature _____

Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud _____ P.S.I.	_____	_____ M	_____ M
Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____	_____ Mins.	_____ Mi
Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____	_____ Mins.	_____ Mi
Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____	_____ Mins.	_____ Mi
Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____	_____ Mins.	_____ Mi
Second Final Flow Pressure _____ P.S.I.			
Final Closed-in Pressure _____ P.S.I.			
Final Hydrostatic Mud _____ P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
Press. _____	Point Minutes _____	Press. _____	Point Minutes _____
_____	63	_____	63 <u>273</u>
_____	66	_____	66 <u>279</u>
_____	69	_____	69 <u>281</u>
_____	72	_____	72 <u>284</u>
_____	75	_____	75 <u>288</u>
_____	78	_____	78 <u>291</u>
_____	81	_____	81 <u>294</u>
_____	84	_____	84 <u>298</u>
_____	87	_____	87 <u>301</u>
_____	90	_____	90 <u>304</u>
_____	93	_____	93 <u>309</u>
_____	96	_____	96 <u>311</u>
_____	99	_____	99 _____
_____	102	_____	102 _____
_____	105	_____	105 _____
_____	108	_____	108 _____
_____	111	_____	111 _____
_____	114	_____	114 _____
_____	117	_____	117 _____
_____	120	_____	120 _____

Company Pickrell Drilling Company Lease & Well No. Shinkle Trust "A" #1
 Elevation 2725 Kelly Bushing Morrow Effective Pay --- Ft. Ticket No. 5213
 Date 2/25/80 Sec. 17 Twp. 33S Range 30W County Meade State Kansas
 Test Approved by Bob Hammond Western Representative Stuart Stover
 Formation Test No. 1 Interval Tested from 5614 ft. to 5644 ft. Total Depth 5644 ft.
 Packer Depth 5609 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5614 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5619 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 5622 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 300 I. D. 2.25 in.
 Mud Type drispac Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 8.8 Water Loss 10.2 cc. Drill Pipe Length 5287 I. D. 4.0 in.
 Chlorides 50,000 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 30 ft. Size 4 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: Very weak throughout initial flow. No blow on final flow.

Recovered 300 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of CHLORIDES 30,000 ppm
 Recovered ft. of
 Remarks:

Time Set Packer(s) 3:00 ~~P.M.~~ A.M. Time Started Off Bottom 7:30 ~~P.M.~~ A.M. Maximum Temperature
 Initial Hydrostatic Pressure (A) 2646 P.S.I.
 Initial Flow Period Minutes 30 (B) 216 P.S.I. to (C) 201 P.S.I.
 Initial Closed In Period Minutes 60 (D) 369 P.S.I.
 Final Flow Period Minutes 60 (E) 213 P.S.I. to (F) 204 P.S.I.
 Final Closed In Period Minutes 96 (G) 311 P.S.I.
 Final Hydrostatic Pressure (H) 2624 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-25-80 Recorder No. 11018 Capacity 4425 Test Ticket No. 5213 Location 5619 Ft.
 Clock No. _____ Elevation 2725 Kelly Bushing Well Temperature ---- °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2646</u> P.S.I.	<u>3:00</u> A.M.	
B First Initial Flow Pressure	<u>216</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>201</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>369</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>213</u> P.S.I.	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>204</u> P.S.I.		
G Final Closed-in Pressure	<u>311</u> P.S.I.		
H Final Hydrostatic Mud	<u>2624</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>216</u>	<u>0</u>	<u>201</u>	<u>0</u>	<u>213</u>	<u>0</u>	<u>204</u>
P 2 <u>5</u>	<u>207</u>	<u>3</u>	<u>209</u>	<u>5</u>	<u>213</u>	<u>3</u>	<u>207</u>
P 3 <u>10</u>	<u>203</u>	<u>6</u>	<u>218</u>	<u>10</u>	<u>209</u>	<u>6</u>	<u>211</u>
P 4 <u>15</u>	<u>201</u>	<u>9</u>	<u>224</u>	<u>15</u>	<u>207</u>	<u>9</u>	<u>213</u>
P 5 <u>20</u>	<u>201</u>	<u>12</u>	<u>236</u>	<u>20</u>	<u>204</u>	<u>12</u>	<u>216</u>
P 6 <u>25</u>	<u>201</u>	<u>15</u>	<u>244</u>	<u>25</u>	<u>206</u>	<u>15</u>	<u>219</u>
P 7 <u>30</u>	<u>201</u>	<u>18</u>	<u>253</u>	<u>30</u>	<u>204</u>	<u>18</u>	<u>222</u>
P 8		<u>21</u>	<u>262</u>	<u>35</u>	<u>204</u>	<u>21</u>	<u>227</u>
P 9		<u>24</u>	<u>271</u>	<u>40</u>	<u>204</u>	<u>24</u>	<u>229</u>
P10		<u>27</u>	<u>280</u>	<u>45</u>	<u>204</u>	<u>27</u>	<u>232</u>
P11		<u>30</u>	<u>288</u>	<u>50</u>	<u>204</u>	<u>30</u>	<u>234</u>
P12		<u>33</u>	<u>297</u>	<u>55</u>	<u>204</u>	<u>33</u>	<u>239</u>
P13		<u>36</u>	<u>305</u>	<u>60</u>	<u>204</u>	<u>36</u>	<u>242</u>
P14		<u>39</u>	<u>314</u>			<u>39</u>	<u>244</u>
P15		<u>42</u>	<u>322</u>			<u>42</u>	<u>249</u>
P16		<u>45</u>	<u>331</u>			<u>45</u>	<u>251</u>
P17		<u>48</u>	<u>339</u>			<u>48</u>	<u>254</u>
P18		<u>51</u>	<u>346</u>			<u>51</u>	<u>259</u>
P19		<u>54</u>	<u>354</u>			<u>54</u>	<u>262</u>
P20		<u>57</u>	<u>362</u>			<u>57</u>	<u>265</u>

WESTERN TESTING CO., INC.
Pressure Data

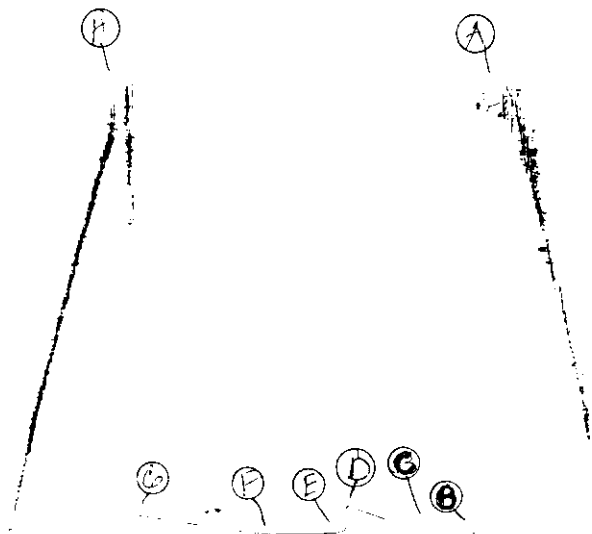
Date 2-25-80 Test Ticket No. 5213
Recorder No. 11018 Capacity 4425 Location 5619 Ft.
Clock No. _____ Elevation 2725 Kelly Bushing Well Temperature ---- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2646</u> P.S.I.	Open Tool	<u>3:00</u> A.M.	
B First Initial Flow Pressure	<u>216</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>201</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>369</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>213</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>204</u> P.S.I.			
G Final Closed-in Pressure	<u>311</u> P.S.I.			
H Final Hydrostatic Mud	<u>2624</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>32</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>60</u>	<u>369</u>			<u>60</u>	<u>269</u>
P 2						<u>63</u>	<u>273</u>
P 3						<u>66</u>	<u>279</u>
P 4						<u>69</u>	<u>281</u>
P 5						<u>72</u>	<u>284</u>
P 6						<u>75</u>	<u>288</u>
P 7						<u>78</u>	<u>291</u>
P 8						<u>81</u>	<u>294</u>
P 9						<u>84</u>	<u>298</u>
P10						<u>87</u>	<u>301</u>
P11						<u>90</u>	<u>304</u>
P12						<u>93</u>	<u>309</u>
P13						<u>96</u>	<u>311</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ML#-5212
I





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5214

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

Elevation _____ Formation MUS. Eff. Pay _____ Ft.

District Pratt Date 2-26-80 Customer Order No. _____

COMPANY NAME Pickrell Drilling Co.

ADDRESS Highway 205

LEASE AND WELL NO. Shinale Trust A-1 COUNTY Meade STATE KS Sec. 17 Twp. 33S Rge. 30W

Mail Invoice Same No. Copies Requested Reg

Co. Name _____ Address _____

Mail Charts To Same No. Copies Requested Reg

Formation Test No. 2 Interval Tested from 5640 ft. to 5700 ft. Total Depth 5700 ft.

Packer Depth 5635 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5640 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5670 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 5673 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Pickrell Rig #1 Drill Collar Length 330 ft. I. D. 2.25 in.

Mud Type _____ Viscosity _____ Weight Pipe Length _____ I. D. _____ in.

Weight _____ Water Loss _____ cc. Drill Pipe Length _____ I. D. _____ in.

Chlorides _____ P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.

Jars: Make WTC Serial Number 36600 Anchor Length 60 ft. Size 4 1/2 in.

Did Well Flow? _____ Reversed Out _____ Surface Choke Size 12 in. Bottom Choke Size 12 in.

Main Hole Size _____ in. Tool Joint Size _____ in.

Blow: Packer Failure

Recovered 600 ft. of Mud Packer Failure

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Packer Failure

Time Set Packer(s) 2:00 A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____

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

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

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

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

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

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

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 Bob Hamm
Signature of Customer or his authorized representative

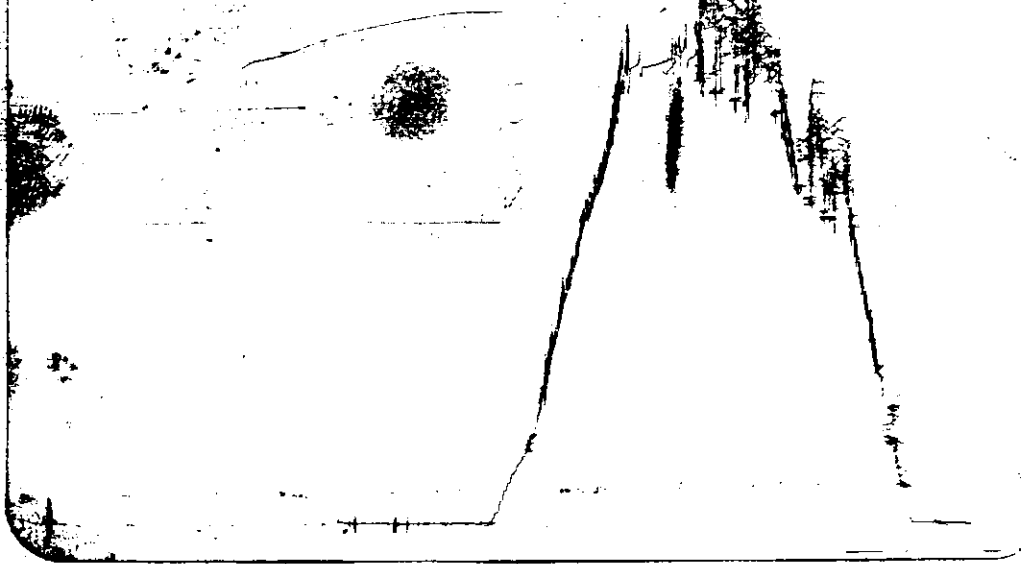
Western Representative S. Stover

FIELD INVOICE

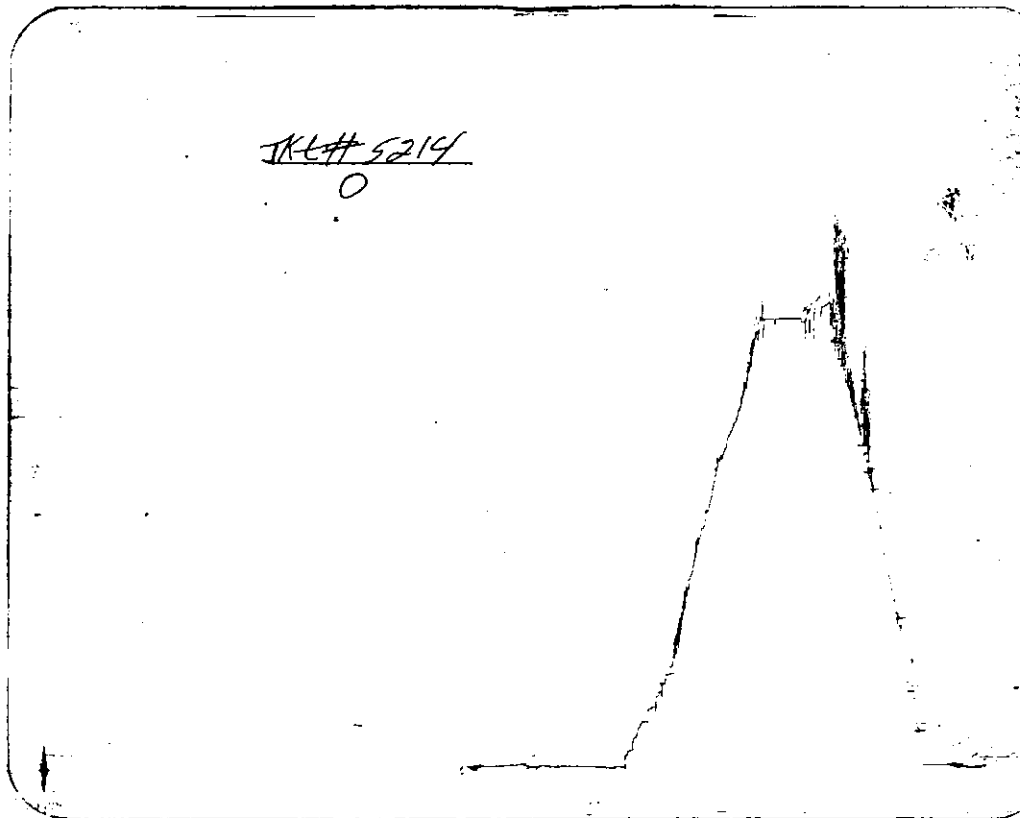
Open Hole Test \$ 275.00
Misrun \$ 275.00
Straddle Test \$ 275.00
Jars \$ 35.00
Selective Zone \$ 35.00
Safety Joint \$ 35.00
Standby \$ 35.00
Evaluation \$ 35.00
Extra Packer \$ 35.00
Circ. Sub. \$ 35.00
Mileage \$ 35.00
Fluid Sampler \$ 35.00
Extra Charts \$ 35.00

TOTAL \$ 585.00

TKA 5914
I



TKL# 5214
O



Company Pickrell Drilling Company Lease & Well No. Shinkle Trust "A" #1
Elevation -- Formation Mississippi Effective Pay --- Ft. Ticket No. 5214
Date 2/26/80 Sec. 17 Twp. 33S Range 30W County Meade State Kansas
Test Approved by Bob Hammond Western Representative S. Stover
Formation Test No. 2 Interval Tested from 5640 ft. to 5700 ft. Total Depth 5700 ft.
Packer Depth 5635 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 5640 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 5670 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 5673 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 330 I. D. 2.25 in.
Mud Type --- Viscosity --- Weight Pipe Length --- I. D. --- in.
Weight --- Water Loss --- cc. Drill Pipe Length --- I. D. --- in.
Chlorides --- P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 60 ft. Size 4 1/2 in.
Did Well Flow? --- Reversed Out --- Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size --- in. Tool Joint Size --- in.

Blow: ---

PACKER FAILURE

Recovered 600 ft. of mud

Recovered --- ft. of ---

Recovered --- ft. of ---

Recovered --- ft. of ---

Recovered --- ft. of ---

Remarks: ---

Time Set Packer(s) 2:00 A.M. Time Started Off Bottom --- P.M. Maximum Temperature ---
Initial Hydrostatic Pressure --- (A) --- P.S.I.
Initial Flow Period --- Minutes (B) --- P.S.I. to (C) --- P.S.I.
Initial Closed In Period --- Minutes (D) --- P.S.I.
Final Flow Period --- Minutes (E) --- P.S.I. to (F) --- P.S.I.
Final Closed In Period --- Minutes (G) --- P.S.I.
Final Hydrostatic Pressure --- (H) --- P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5215

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

Elevation _____ Formation MISS Eff. Pay _____ Ft.

District Pratt Date 2-26-80 Customer Order No. _____

COMPANY NAME Pickrell Drilling Co.

ADDRESS Station Bldg. Suite 205 Wichita Ks.

LEASE AND WELL NO SHinkite Trust #1 COUNTY Mcade STATE Ks Sec 17 Twp 33S Rge 30W

Mail Invoice To Same Co. Name _____ Address _____ No. Copies Requested Reg

Mail Charts To Same Address _____ No. Copies Requested Reg

Formation Test No. 3 Interval Tested from 5658 ft. to 5700 ft. Total Depth 5700 ft.

Packer Depth 5653 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5658 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5637 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 5640 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Pickrell Rig #1 Drill Collar Length 352 I. D. 2.25 in.

Mud Type Gel Viscosity _____ Weight Pipe Length _____ I. D. _____ in.

Weight _____ Water Loss _____ cc. Drill Pipe Length 5274 I. D. 4.0 in.

Chlorides _____ P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.

Jars: Make NTC Serial Number 36600 Anchor Length 42 ft. Size 4 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.

Blow: Strong Blow GTS in 45 minutes on
2nd blow - To small to measure

Recovered 300 ft. of Slightly Gas Cut mud

Recovered _____ ft. of last 30ft very slightly oil cut

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:00 A.M. Time Started Off Bottom 12:00 P.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) 2765 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 144 P.S.I. to (C) 144 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 853 P.S.I.

Final Flow Period _____ Minutes 60 (E) 166 P.S.I. to (F) 166 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 865 P.S.I.

Final Hydrostatic Pressure _____ (H) 2721 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 S. Stover

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 275.00
Selective Zone \$ _____
Safety Joint \$ 35.00
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mudlog \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 910.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-26-80 Recorder No. 11018 Capacity 4425 Test Ticket No. 5215 Location 5637 Ft.
 Clock No. _____ Elevation 2725 KB Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2765</u> P.S.I.		<u>8:00 A</u> M.	
B First Initial Flow Pressure	<u>144</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>156</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>862</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>162</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>161</u> P.S.I.			
G Final Closed-in Pressure	<u>862</u> P.S.I.			
H Final Hydrostatic Mud	<u>2710</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>144</u>	<u>0</u>	<u>156</u>	<u>0</u>	<u>162</u>
P 2	<u>5</u>	<u>3</u>	<u>141</u>	<u>3</u>	<u>260</u>	<u>5</u>	<u>162</u>
P 3	<u>10</u>	<u>6</u>	<u>139</u>	<u>6</u>	<u>356</u>	<u>10</u>	<u>164</u>
P 4	<u>15</u>	<u>9</u>	<u>147</u>	<u>9</u>	<u>380</u>	<u>15</u>	<u>163</u>
P 5	<u>20</u>	<u>12</u>	<u>156</u>	<u>12</u>	<u>424</u>	<u>20</u>	<u>158</u>
P 6	<u>25</u>	<u>15</u>	<u>156</u>	<u>15</u>	<u>464</u>	<u>25</u>	<u>160</u>
P 7	<u>30</u>	<u>18</u>	<u>156</u>	<u>18</u>	<u>502</u>	<u>30</u>	<u>162</u>
P 8	<u>35</u>	<u>21</u>		<u>21</u>	<u>538</u>	<u>35</u>	<u>162</u>
P 9	<u>40</u>	<u>24</u>		<u>24</u>	<u>562</u>	<u>40</u>	<u>162</u>
P10	<u>45</u>	<u>27</u>		<u>27</u>	<u>582</u>	<u>45</u>	<u>161</u>
P11	<u>50</u>	<u>30</u>		<u>30</u>	<u>606</u>	<u>50</u>	<u>163</u>
P12	<u>55</u>	<u>33</u>		<u>33</u>	<u>635</u>	<u>55</u>	<u>163</u>
P13	<u>60</u>	<u>36</u>		<u>36</u>	<u>664</u>	<u>60</u>	<u>161</u>
P14		<u>39</u>		<u>39</u>	<u>692</u>	<u>65</u>	
P15		<u>42</u>		<u>42</u>	<u>717</u>	<u>70</u>	
P16		<u>45</u>		<u>45</u>	<u>735</u>	<u>75</u>	
P17		<u>48</u>		<u>48</u>	<u>759</u>	<u>80</u>	
P18		<u>51</u>		<u>51</u>	<u>783</u>	<u>85</u>	
P19		<u>54</u>		<u>54</u>	<u>805</u>	<u>90</u>	
P20		<u>57</u>		<u>57</u>	<u>827</u>		
		<u>60</u>		<u>60</u>	<u>850</u>		
		<u>63</u>		<u>63</u>	<u>862</u>		

WTC - 4

671
Count

Pressure Data

Test Ticket No. 5215

No. _____		Capacity _____	Location _____	
Elevation _____		Well Temperature _____		
Pressure _____		Time Given _____	Time Computed _____	
Initial Hydrostatic Mud _____ P.S.I.		Open Tool _____	M _____	
Initial Flow Pressure _____ P.S.I.		First Flow Pressure _____	Mins _____ Mi _____	
Final Flow Pressure _____ P.S.I.		Initial Closed-in Pressure _____	Mins _____ Mi _____	
Initial Closed-in Pressure _____ P.S.I.		Second Flow Pressure _____	Mins _____ Mi _____	
Second Initial Flow Pressure _____ P.S.I.		Final Closed-in Pressure _____	Mins _____ Mi _____	
Second Final Flow Pressure _____ P.S.I.				
Initial Closed-in Pressure _____ P.S.I.				
Initial Hydrostatic Mud _____ P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
_____	63	_____	_____	_____	63	<u>692</u>	_____
_____	66	_____	_____	_____	66	<u>713</u>	_____
_____	69	_____	_____	_____	69	<u>735</u>	_____
_____	72	_____	_____	_____	72	<u>757</u>	_____
_____	75	_____	_____	_____	75	<u>771</u>	_____
_____	78	_____	_____	_____	78	<u>788</u>	_____
_____	81	_____	_____	_____	81	<u>808</u>	_____
_____	84	_____	_____	_____	84	<u>825</u>	_____
_____	87	_____	_____	_____	87	<u>841</u>	_____
_____	90	_____	_____	_____	90	<u>862</u>	_____
_____	93	_____	_____	_____	93	_____	_____
_____	96	_____	_____	_____	96	_____	_____
_____	99	_____	_____	_____	99	_____	_____
_____	102	_____	_____	_____	102	_____	_____
_____	105	_____	_____	_____	105	_____	_____
_____	108	_____	_____	_____	108	_____	_____
_____	111	_____	_____	_____	111	_____	_____
_____	114	_____	_____	_____	114	_____	_____
_____	117	_____	_____	_____	117	_____	_____
_____	120	_____	_____	_____	120	_____	_____

Company Pickrell Drilling Company Lease & Well No. Shinkle Trust "A" #1
Elevation -- Formation Mississippi Effective Pay -- Ft. Ticket No. 5215
Date 2/26/80 Sec. 17 Twp. 33S Range 30W County Meade State Kansas
Test Approved by Bob Hammond Western Representative S. Stover

Formation Test No. 3 Interval Tested from 5658 ft. to 5700 ft. Total Depth 5700 ft.

Packer Depth 5653 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 5658 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5637 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 5640 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 257 I. D. 2.25 in.

Mud Type gel Viscosity - Weight Pipe Length - I. D. - in.

Weight - Water Loss - cc. Drill Pipe Length 5274 I. D. 4.0 in.

Chlorides - P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 42 ft. Size 4 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: Strong blow. Gas to surface in forty-five minutes on second flow. Too small to measure.

Recovered 300 ft. of slightly gas cut mud

Recovered - ft. of Last thirty feet very slightly oil cut.

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Remarks:

Time Set Packer(s) 8:00 ~~P.M.~~ A.M. Time Started Off Bottom 12:00 ~~A.M.~~ P.M. Maximum Temperature -
Initial Hydrostatic Pressure 2765 P.S.I.
Initial Flow Period 30 Minutes (B) 144 P.S.I. to (C) 156 P.S.I.
Initial Closed In Period 63 Minutes (D) 862 P.S.I.
Final Flow Period 60 Minutes (E) 162 P.S.I. to (F) 161 P.S.I.
Final Closed In Period 90 Minutes (G) 862 P.S.I.
Final Hydrostatic Pressure 2710 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 2-26-80

Recorder No. 11018

Capacity 4425

Test Ticket No. 5215

Location 5637 Ft.

Clock No. 2725 Kelly Bushing

Elevation

Well Temperature ----- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2765</u>	P.S.I.	8:00	A M
B First Initial Flow Pressure	<u>144</u>	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	<u>156</u>	P.S.I.	60	Mins. 63 Mins.
D Initial Closed-in Pressure	<u>862</u>	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	<u>162</u>	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	<u>161</u>	P.S.I.		
G Final Closed-in Pressure	<u>862</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2710</u>	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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 30 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>144</u>	<u>0</u>	<u>156</u>	<u>0</u>	<u>162</u>	<u>0</u>	<u>161</u>
P 2 <u>5</u>	<u>141</u>	<u>3</u>	<u>260</u>	<u>5</u>	<u>162</u>	<u>3</u>	<u>180</u>
P 3 <u>10</u>	<u>139</u>	<u>6</u>	<u>356</u>	<u>10</u>	<u>164</u>	<u>6</u>	<u>211</u>
P 4 <u>15</u>	<u>147</u>	<u>9</u>	<u>380</u>	<u>15</u>	<u>163</u>	<u>9</u>	<u>244</u>
P 5 <u>20</u>	<u>156</u>	<u>12</u>	<u>424</u>	<u>20</u>	<u>158</u>	<u>12</u>	<u>280</u>
P 6 <u>25</u>	<u>156</u>	<u>15</u>	<u>464</u>	<u>25</u>	<u>160</u>	<u>15</u>	<u>308</u>
P 7 <u>30</u>	<u>156</u>	<u>18</u>	<u>502</u>	<u>30</u>	<u>162</u>	<u>18</u>	<u>336</u>
P 8		<u>21</u>	<u>538</u>	<u>35</u>	<u>162</u>	<u>21</u>	<u>362</u>
P 9		<u>24</u>	<u>562</u>	<u>40</u>	<u>162</u>	<u>24</u>	<u>396</u>
P10		<u>27</u>	<u>582</u>	<u>45</u>	<u>161</u>	<u>27</u>	<u>425</u>
P11		<u>30</u>	<u>606</u>	<u>50</u>	<u>163</u>	<u>30</u>	<u>447</u>
P12		<u>33</u>	<u>635</u>	<u>55</u>	<u>163</u>	<u>33</u>	<u>467</u>
P13		<u>36</u>	<u>664</u>	<u>60</u>	<u>161</u>	<u>36</u>	<u>494</u>
P14		<u>39</u>	<u>692</u>			<u>39</u>	<u>520</u>
P15		<u>42</u>	<u>717</u>			<u>42</u>	<u>543</u>
P16		<u>45</u>	<u>735</u>			<u>45</u>	<u>566</u>
P17		<u>48</u>	<u>759</u>			<u>48</u>	<u>589</u>
P18		<u>51</u>	<u>783</u>			<u>51</u>	<u>604</u>
P19		<u>54</u>	<u>805</u>			<u>54</u>	<u>628</u>
P20		<u>57</u>	<u>827</u>			<u>57</u>	<u>649</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 2-26-80 Test Ticket No. 5215
 Recorder No. 11018 Capacity 4425 Location 5637 Ft.
 Clock No. _____ Elevation 2725 Kelly Bushing Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2765</u> P.S.I.	Open Tool	8:00 A M	
B First Initial Flow Pressure <u>144</u> P.S.I.	First Flow Pressure	30 Mins	30 Mins.
C First Final Flow Pressure <u>156</u> P.S.I.	Initial Closed-in Pressure	60 Mins	63 Mins.
D Initial Closed-in Pressure <u>862</u> P.S.I.	Second Flow Pressure	60 Mins	60 Mins.
E Second Initial Flow Pressure <u>162</u> P.S.I.	Final Closed-in Pressure	90 Mins	90 Mins.
F Second Final Flow Pressure <u>161</u> P.S.I.			
G Final Closed-in Pressure <u>862</u> P.S.I.			
H Final Hydrostatic Mud <u>2710</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>30</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		60	850			60	671
P 2		63	862			63	692
P 3						66	713
P 4						69	735
P 5						72	757
P 6						75	771
P 7						78	788
P 8						81	808
P 9						84	825
P10						87	841
P11						90	862
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-5215

TR# 5215
I

