



WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 18286

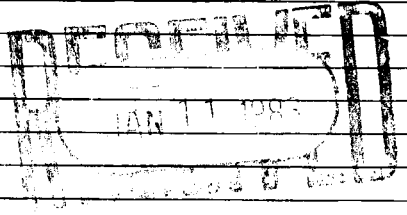
P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1616 R.B Formation K.C Eff. Pay Ft.

COMPANY NAME Pickrell Drilling Company
ADDRESS 110 North Market Wichita, KS 67202
LEASE AND WELL NO Albright #1 COUNTY Harper STATE KS
Mail Invoice To Same #1 L ALBRIGHT
Mail Charts To Same

Formation Test No 4017 Interval Tested From 4022 ft. to 4042 ft. Total Depth 4042 ft.
Packer Depth 4022 ft. Size 6 5/8 in.
Packer Depth 4022 ft. Size 6 5/8 in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 4034 ft. Recorder Number 13547 Cap 4225
Bottom Recorder Depth (Outside) 4034 ft. Recorder Number 13552 Cap 4050
Below Straddle Recorder Depth
Drilling Contractor Pickrell Rig #10 Drill Collar Length 250 I. D. 2 1/4 in.
Mud Type Cellex Viscosity 37 Weight Pipe Length I. D. in.
Weight 9.3 Water Loss 176 cc. Drill Pipe Length 3749 I. D. 3.8 in.
Chlorides 18,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.
Jars: Make Serial Number Anchor Length 22 20 ft. Size 5/200 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increased to strong blow on first flow period
Fair blow throughout second flow period
Recovered 40 ft. of Dns. Mud
Recovered 620 ft. of Salt Water (72,000 p.p.m)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:



Time On Location 6:30 AM Time Pick Up Tool 7:00 PM Time Off Location 4:00 AM
Time Set Packer(s) 8:35 PM Time Started Off Bottom 1:05 AM Maximum Temperature 118
Initial Hydrostatic Pressure (A) 2040 P.S.I.
Initial Flow Period Minutes 30 (B) 14 P.S.I. to (C) 190 P.S.I.
Initial Closed In Period Minutes 60 (D) 1546 P.S.I.
Final Flow Period Minutes 90 (E) 201 P.S.I. to (F) 381 P.S.I.
Final Closed In Period Minutes 90 (G) 1546 P.S.I.
Final Hydrostatic Pressure (H) 2019 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 Jim Wondra Thank You

FIELD INVOICE

Open Hole Test \$ 675.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 675.00

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-9-83 Test Ticket No. 18286
 Recorder No. 13547 Capacity 4225 Location 4031 Ft.
 Clock No. --- Elevation 1616 KB Well Temperature 118 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2040</u> P.S.I.		<u>8:35</u> M	
B First Initial Flow Pressure	<u>70</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>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1558</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>209</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>369</u> P.S.I.			
G Final Closed-in Pressure	<u>1542</u> P.S.I.			
H Final Hydrostatic Mud	<u>2019</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>30</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>29</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	<u>70</u>	0	<u>188</u>	0	<u>209</u>	0	<u>369</u>
P 2 5	<u>100</u>	3	<u>1380</u>	5	<u>213</u>	3	<u>1330</u>
P 3 10	<u>140</u>	6	<u>1428</u>	10	<u>222</u>	6	<u>1384</u>
P 4 15	<u>156</u>	9	<u>1458</u>	15	<u>233</u>	9	<u>1416</u>
P 5 20	<u>168</u>	12	<u>1477</u>	20	<u>243</u>	12	<u>1437</u>
P 6 25	<u>180</u>	15	<u>1492</u>	25	<u>253</u>	15	<u>1452</u>
P 7 30	<u>188</u>	18	<u>1503</u>	30	<u>264</u>	18	<u>1462</u>
P 8 35		21	<u>1512</u>	35	<u>273</u>	21	<u>1472</u>
P 9 40		24	<u>1520</u>	40	<u>283</u>	24	<u>1480</u>
P 10 45		27	<u>1526</u>	45	<u>292</u>	27	<u>1487</u>
P 11 50		30	<u>1532</u>	50	<u>302</u>	30	<u>1492</u>
P 12 55		33	<u>1535</u>	55	<u>311</u>	33	<u>1496</u>
P 13 60		36	<u>1538</u>	60	<u>320</u>	36	<u>1500</u>
P 14		39	<u>1541</u>	65	<u>328</u>	39	<u>1504</u>
P 15		42	<u>1545</u>	70	<u>338</u>	42	<u>1508</u>
P 16		45	<u>1549</u>	75	<u>347</u>	45	<u>1513</u>
P 17		48	<u>1552</u>	80	<u>355</u>	48	<u>1516</u>
P 18		51	<u>1555</u>	85	<u>363</u>	51	<u>1519</u>
P 19		54	<u>1556</u>	90	<u>369</u>	54	<u>1522</u>
P 20		57	<u>1557</u>			57	<u>1524</u>
		60	<u>1558</u>			60	<u>1526</u>

Cont'd

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 18286

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final 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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 _____	_____	63 _____	_____	_____	_____	63 _____	1528
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	1530
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	1532
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	1534
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	1535
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	1536
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	1538
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	1540
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	1542
P10 _____	_____	90 _____	_____	_____	_____	90 _____	
P11 _____	_____	93 _____	_____	_____	_____	93 _____	
P12 _____	_____	96 _____	_____	_____	_____	96 _____	
P13 _____	_____	99 _____	_____	_____	_____	99 _____	
P14 _____	_____	102 _____	_____	_____	_____	102 _____	
P15 _____	_____	105 _____	_____	_____	_____	105 _____	
P16 _____	_____	108 _____	_____	_____	_____	108 _____	
P17 _____	_____	111 _____	_____	_____	_____	111 _____	
P18 _____	_____	114 _____	_____	_____	_____	114 _____	
P19 _____	_____	117 _____	_____	_____	_____	117 _____	
P20 _____	_____	120 _____	_____	_____	_____	120 _____	

Company Pickrell Drilling Company Lease & Well No. #1 "L" Albright
 Elevation 1616 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 18286
 Date 1/9/83 Sec. 4 Twp. 31S Range 7W County Harper State Kansas
 Test Approved by Thomas Funk(?) Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4022 ft. to 4042 ft. Total Depth 4042 ft.
 Packer Depth 4017 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4022 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4031 ft. Recorder Number 13547 Cap. 4225
 Bottom Recorder Depth (Outside) 4034 ft. Recorder Number 13552 Cap. 4050
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length 250 I. D. 2 1/4 in.
 Mud Type cellex Viscosity 37 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 17.6 cc. Drill Pipe Length 3749 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 20 ft. Size 5 1/2 OD
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increased to strong blow on initial flow period. Fair blow throughout final flow period.

Recovered 40 ft. of drilling mud
 Recovered 620 ft. of salt water Chlorides 72,000 ppm
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 8:35 -A.M. Time Started Off Bottom 1:05 P.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure 2040 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 70 P.S.I. to (C) 188 P.S.I.
 Initial Closed In Period 60 Minutes (D) 1558 P.S.I.
 Final Flow Period 90 Minutes (E) 209 P.S.I. to (F) 369 P.S.I.
 Final Closed In Period 87 Minutes (G) 1542 P.S.I.
 Final Hydrostatic Pressure 2019 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 1/9/83 Recorder No. 13547 Capacity 4225 Test Ticket No. 18286
 Location 4031 Ft. Elevation 1616 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2040	P.S.I.	8:35P	M
B First Initial Flow Pressure	70	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	188	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1558	P.S.I.	90	Mins. 90 Mins.
E Second Initial Flow Pressure	209	P.S.I.	90	Mins. 87 Mins.
F Second Final Flow Pressure	369	P.S.I.		
G Final Closed-in Pressure	1542	P.S.I.		
H Final Hydrostatic Mud	2019	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>29</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>70</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>209</u>	<u>0</u>	<u>369</u>
P 2 <u>5</u>	<u>100</u>	<u>3</u>	<u>1380</u>	<u>5</u>	<u>213</u>	<u>3</u>	<u>1330</u>
P 3 <u>10</u>	<u>140</u>	<u>6</u>	<u>1428</u>	<u>10</u>	<u>222</u>	<u>6</u>	<u>1384</u>
P 4 <u>15</u>	<u>156</u>	<u>9</u>	<u>1458</u>	<u>15</u>	<u>233</u>	<u>9</u>	<u>1416</u>
P 5 <u>20</u>	<u>168</u>	<u>12</u>	<u>1477</u>	<u>20</u>	<u>243</u>	<u>12</u>	<u>1437</u>
P 6 <u>25</u>	<u>180</u>	<u>15</u>	<u>1492</u>	<u>25</u>	<u>253</u>	<u>15</u>	<u>1452</u>
P 7 <u>30</u>	<u>188</u>	<u>18</u>	<u>1503</u>	<u>30</u>	<u>264</u>	<u>18</u>	<u>1462</u>
P 8 _____		<u>21</u>	<u>1512</u>	<u>35</u>	<u>273</u>	<u>21</u>	<u>1472</u>
P 9 _____		<u>24</u>	<u>1520</u>	<u>40</u>	<u>283</u>	<u>24</u>	<u>1480</u>
P10 _____		<u>27</u>	<u>1526</u>	<u>45</u>	<u>292</u>	<u>27</u>	<u>1487</u>
P11 _____		<u>30</u>	<u>1532</u>	<u>50</u>	<u>302</u>	<u>30</u>	<u>1492</u>
P12 _____		<u>33</u>	<u>1535</u>	<u>55</u>	<u>311</u>	<u>33</u>	<u>1496</u>
P13 _____		<u>36</u>	<u>1538</u>	<u>60</u>	<u>320</u>	<u>36</u>	<u>1500</u>
P14 _____		<u>39</u>	<u>1541</u>	<u>65</u>	<u>328</u>	<u>39</u>	<u>1504</u>
P15 _____		<u>42</u>	<u>1545</u>	<u>70</u>	<u>338</u>	<u>42</u>	<u>1508</u>
P16 _____		<u>45</u>	<u>1549</u>	<u>75</u>	<u>347</u>	<u>45</u>	<u>1513</u>
P17 _____		<u>48</u>	<u>1552</u>	<u>80</u>	<u>355</u>	<u>48</u>	<u>1516</u>
P18 _____		<u>51</u>	<u>1555</u>	<u>85</u>	<u>363</u>	<u>51</u>	<u>1519</u>
P19 _____		<u>54</u>	<u>1556</u>	<u>90</u>	<u>369</u>	<u>54</u>	<u>1522</u>
P20 _____		<u>57</u>	<u>1557</u>			<u>57</u>	<u>1524</u>
WTC - 4		<u>60</u>	<u>1558</u>			<u>60</u>	<u>1526</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1/9/83 Recorder No. 13547 Capacity 4225 Test Ticket No. 18286
 Location 4031 Ft. Elevation 1616 Kelly Bushing Well Temperature 118 °F
 Clock No. ---

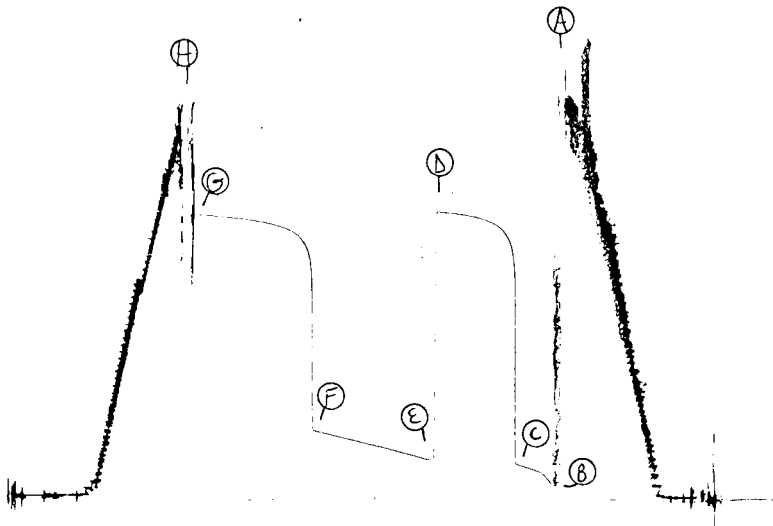
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2040</u>	P.S.I.	<u>8:35P</u>	<u>M</u>
B First Initial Flow Pressure	<u>70</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>188</u>	P.S.I.	<u>60</u>	<u>60</u>
D Initial Closed-in Pressure	<u>1558</u>	P.S.I.	<u>90</u>	<u>90</u>
E Second Initial Flow Pressure	<u>209</u>	P.S.I.	<u>90</u>	<u>87</u>
F Second Final Flow Pressure	<u>369</u>	P.S.I.		
G Final Closed-in Pressure	<u>1542</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2019</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>19</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>29</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1				<u>63</u>
P 2				<u>66</u>
P 3				<u>69</u>
P 4				<u>72</u>
P 5				<u>75</u>
P 6				<u>78</u>
P 7				<u>81</u>
P 8				<u>84</u>
P 9				<u>87</u>
P10				
P11				
P12				
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				

TKT # 18286

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 15519 OK

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

Elevation _____ Formation MISS. Eff. Pay _____ Ft.

District PRAT Date 1-11-83 Customer Order No. _____

COMPANY NAME PICKREAL DRUG Company

ADDRESS HITWIN BLVD, SUITE 205 110 N. MARKET, WICHITA, KS 67202

LEASE AND WELL NO ALBRIGHT L-1 COUNTY HARPER STATE KS Sec. 4 Twp 31 Rge. 7W

Mail Invoice To #1 "L" SAME No. Copies Requested Reg.

Mail Charts To ALBRIGHT SAME No. Copies Requested Reg.

Co. Name Address

Formation Test No. 2 Interval Tested From 4373 ft. to 4390 ft. Total Depth 4390 ft.

Packer Depth 4368 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4373 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4379 ft. Recorder Number 3085 Cap. 4500

Bottom Recorder Depth (Outside) 4382 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor Co. Tools Pickrell Drilling Drill Collar Length 248 I. D. 2 1/4 in.

Mud Type Collet Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.5 Water Loss 24.0 cc. Drill Pipe Length _____ I. D. _____ in.

Chlorides 18,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 O.D. in.

Jars: Make _____ Serial Number _____ Anchor Length 17 ft. Size 5 1/2 O.D. in.

Did Well Flow? NO Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 KH in.

Blow: STRONG Blow THRU-OUT - G.T.S. IN 13 MINUTES ON I.F.P. See attached sheet for gas measurements.

Recovered 360 ft. of Clean Oil 39 Hours

Recovered 180 ft. of muddy Oil

Recovered _____ ft. of _____

Recovered 240 ft. of Salt Water 120,000 P.P.M.

Recovered _____ ft. of _____

Remarks: _____

Time On Location 12:05 AM Time Pick Up Tool 12:30 AM Time Off Location 11:00 AM

Time Set Packer(s) 2:10 P.M. Time Started Off Bottom 6:40 AM Maximum Temperature 134

Initial Hydrostatic Pressure (A) 2383 P.S.I.

Initial Flow Period Minutes 30 (B) 107 P.S.I. to (C) 131 P.S.I.

Initial Closed In Period Minutes 60 (D) 1615 P.S.I.

Final Flow Period Minutes 90 (E) 179 P.S.I. to (F) 310 P.S.I.

Final Closed In Period Minutes 90 (G) 1615 P.S.I.

Final Hydrostatic Pressure (H) 2337 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: Thomas Funk Signature of Customer or his authorized representative

Western Representative: Bill Harper

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Arc. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL. Amounts are mostly \$0, with Open Hole Test and TOTAL at \$675.00.

JAN 13 1983



No 4429

GAS FLOW REPORT

Date 1-11-83 Ticket _____ Company PICKRELL DRUG CO.
Well Name and No. AMBRIGHT 4-1 Dst No. 2 Interval Tested 4373-4390
County HARPER State KS Sec. 4 Twp. 31 Rg. 7

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

GAS TO SURFACE IN 13 MINS.					
T.O. 2:11 P.M.					
20 MINS	11 inches	1/2"	}	}	20,900 C.F.T.P.D.
25 MINS	11 "	1/2"			20,900
30 MINS	10 "	1/2"			19,900

SECOND FLOW

T.O. 3:42 P.M.					
10 MINS	22 inches	1/2"	}	}	29,400 C.F.T.P.D.
20 "	10 "				19,900 "
30 "	8 "				17,200 "
40 "	5 "				14,100 "
50 "	5 "				14,100 "
60 "	5 "				14,100 "
70 "	4 "				12,500 "
80 "	2 "				8,870 "
90 "	1 "	1/2"			6,270 "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 1-11 Test Ticket No. 15519
 Recorder No. 3085 Capacity 4500 Location 4379 Ft.
 Clock No. --- Elevation --- Well Temperature 134 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2372</u> P.S.I.	<u>2:10 P</u> M	
B First Initial Flow Pressure	<u>117</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>1631</u> P.S.I.	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>177</u> P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>319</u> P.S.I.		
G Final Closed-in Pressure	<u>1624</u> P.S.I.		
H Final Hydrostatic Mud	<u>2319</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>31</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	<u>117</u>	0	<u>140</u>	0	<u>177</u>	0	<u>319</u>
P 2 5	<u>117</u>	3	<u>452</u>	5	<u>177</u>	3	<u>546</u>
P 3 10	<u>117</u>	6	<u>884</u>	10	<u>185</u>	6	<u>828</u>
P 4 15	<u>124</u>	9	<u>1146</u>	15	<u>197</u>	9	<u>1074</u>
P 5 20	<u>133</u>	12	<u>1307</u>	20	<u>209</u>	12	<u>1229</u>
P 6 25	<u>140</u>	15	<u>1405</u>	25	<u>220</u>	15	<u>1330</u>
P 7 30		18	<u>1468</u>	30	<u>229</u>	18	<u>1403</u>
P 8 35		21	<u>1509</u>	35	<u>240</u>	21	<u>1442</u>
P 9 40		24	<u>1528</u>	40	<u>251</u>	24	<u>1474</u>
P10 45		27	<u>1544</u>	45	<u>261</u>	27	<u>1499</u>
P11 50		30	<u>1561</u>	50	<u>269</u>	30	<u>1518</u>
P12 55		33	<u>1575</u>	55	<u>277</u>	33	<u>1534</u>
P13 60		36	<u>1586</u>	60	<u>287</u>	36	<u>1547</u>
P14		39	<u>1596</u>	65	<u>295</u>	39	<u>1558</u>
P15		42	<u>1604</u>	70	<u>301</u>	42	<u>1567</u>
P16		45	<u>1610</u>	75	<u>304</u>	45	<u>1575</u>
P17		48	<u>1614</u>	80	<u>313</u>	48	<u>1581</u>
P18		51	<u>1618</u>	85	<u>319</u>	51	<u>1586</u>
P19		54	<u>1622</u>	90		54	<u>1591</u>
P20		57	<u>1625</u>			57	<u>1596</u>
		60	<u>1628</u>			60	<u>1601</u>
		63	<u>1630</u>				
		66	<u>1630</u>				

omit

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 15519

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final 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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1604
P 2		66				66	1607
P 3		69				69	1610
P 4		72				72	1613
P 5		75				75	1615
P 6		78				78	1617
P 7		81				81	1619
P 8		84				84	1621
P 9		87				87	1622
P10		90				90	1623
P11		93				93	1624
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Pickrell Drilling Company Lease & Well No. #1 "L" Albright
 Elevation - Formation Mississippi Effective Pay -- Ft. Ticket No. 15519
 Date 1/11/83 Sec. 4 Twp. 31S Range 7W County Harper State Kansas
 Test Approved by Thomas Funk Western Representative Bill Hager

Formation Test No. 2 Interval Tested from 4373 ft. to 4390 ft. Total Depth 4390 ft.
 Packer Depth 4368 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4373 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4379 ft. Recorder Number 3085 Cap 4500
 Bottom Recorder Depth (Outside) 4382 ft. Recorder Number 1563 Cap 4200
 Below Straddle Recorder Depth -- ft. Recorder Number --- Cap -

Drilling Contractor Pickrell Drilling Drill Collar Length 248 I. D. 2 1/4 in.
 Mud Type cellex Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 24.0 cc. Drill Pipe Length - I. D. - in.
 Chlorides 18,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 17 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow throughout. Gas to surface in thirteen minutes on initial flow period.
See attached sheet for gas measurements.

Recovered 360 ft. of clean oil Gravity 39
 Recovered 180 ft. of muddy oil
 Recovered 240 ft. of salt water Chlorides 120,000 ppm
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 2:10 ~~AM~~ P.M. Time Started Off Bottom 6:40 ~~AM~~ P.M. Maximum Temperature 134°
 Initial Hydrostatic Pressure (A) 2372 P.S.I.
 Initial Flow Period Minutes 25 (B) 117 P.S.I. to (C) 140 P.S.I.
 Initial Closed In Period Minutes 66 (D) 1631 P.S.I.
 Final Flow Period Minutes 85 (E) 177 P.S.I. to (F) 319 P.S.I.
 Final Closed In Period Minutes 93 (G) 1624 P.S.I.
 Final Hydrostatic Pressure (H) 2319 P.S.I.

GAS FLOW REPORT

Date 1/11/83 Ticket 15519 Company Pickrell Drilling Company
 Well Name and No. #1 "L" Albright Dst No. 2 Interval Tested 4373'-4390'
 County Harper State Kansas Sec. 4 Twp. 31S Rg. 7W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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Gas to surface in thirteen minutes. PRE FLOW

Tool open @ 2:11PM					
20 min	11" of water		1/2" orifice		20,900 CFPD
25 min	11" of water		1/2" orifice		20,900 CFPD
30 min	10" of water		1/2" orifice		19,900 CFPD

Tool open @ 3:42PM SECOND FLOW

10 min	22" of water		1/2" orifice		29,400 CFPD
20 min	10" of water		1/2" orifice		19,900 CFPD
30 min	8" of water		1/2" orifice		17,200 CFPD
40 min	5" of water		1/2" orifice		14,100 CFPD
50 min	5" of water		1/2" orifice		14,100 CFPD
60 min	5" of water		1/2" orifice		14,100 CFPD
70 min	4" of water		1/2" orifice		12,500 CFPD
80 min	2" of water		1/2" orifice		8,870 CFPD
90 min	1" of water		1/2" orifice		6,270 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled --- Date to be Invoiced 1/11/83

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal piug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Pickrell Drilling Company
 Authorized by Thomas Funk

WESTERN TESTING CO., INC.

Pressure Data

Date 1/11/83 Test Ticket No. 15519
 Recorder No. 3085 Capacity 4500 Location 4379 Ft.
 Clock No. --- Elevation ----- Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2372</u> P.S.I.	Open Tool	2:10P	M
B First Initial Flow Pressure	<u>117</u> P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	Initial Closed-in Pressure	60 Mins.	66 Mins.
D Initial Closed-in Pressure	<u>1631</u> P.S.I.	Second Flow Pressure	90 Mins.	85 Mins.
E Second Initial Flow Pressure	<u>177</u> P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	<u>319</u> P.S.I.			
G Final Closed-in Pressure	<u>1624</u> P.S.I.			
H Final Hydrostatic Mud	<u>2319</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>31</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>117</u>	<u>0</u>	<u>140</u>	<u>0</u>	<u>177</u>	<u>0</u>	<u>319</u>
P 2 <u>5</u>	<u>117</u>	<u>3</u>	<u>452</u>	<u>5</u>	<u>177</u>	<u>3</u>	<u>546</u>
P 3 <u>10</u>	<u>117</u>	<u>6</u>	<u>884</u>	<u>10</u>	<u>185</u>	<u>6</u>	<u>828</u>
P 4 <u>15</u>	<u>124</u>	<u>9</u>	<u>1146</u>	<u>15</u>	<u>197</u>	<u>9</u>	<u>1074</u>
P 5 <u>20</u>	<u>133</u>	<u>12</u>	<u>1307</u>	<u>20</u>	<u>209</u>	<u>12</u>	<u>1229</u>
P 6 <u>25</u>	<u>140</u>	<u>15</u>	<u>1405</u>	<u>25</u>	<u>220</u>	<u>15</u>	<u>1330</u>
P 7 _____		<u>18</u>	<u>1468</u>	<u>30</u>	<u>229</u>	<u>18</u>	<u>1403</u>
P 8 _____		<u>21</u>	<u>1509</u>	<u>35</u>	<u>240</u>	<u>21</u>	<u>1442</u>
P 9 _____		<u>24</u>	<u>1528</u>	<u>40</u>	<u>251</u>	<u>24</u>	<u>1474</u>
P10 _____		<u>27</u>	<u>1544</u>	<u>45</u>	<u>261</u>	<u>27</u>	<u>1499</u>
P11 _____		<u>30</u>	<u>1561</u>	<u>50</u>	<u>269</u>	<u>30</u>	<u>1518</u>
P12 _____		<u>33</u>	<u>1575</u>	<u>55</u>	<u>277</u>	<u>33</u>	<u>1534</u>
P13 _____		<u>36</u>	<u>1586</u>	<u>60</u>	<u>287</u>	<u>36</u>	<u>1547</u>
P14 _____		<u>39</u>	<u>1596</u>	<u>65</u>	<u>295</u>	<u>39</u>	<u>1558</u>
P15 _____		<u>42</u>	<u>1604</u>	<u>70</u>	<u>301</u>	<u>42</u>	<u>1567</u>
P16 _____		<u>45</u>	<u>1610</u>	<u>75</u>	<u>304</u>	<u>45</u>	<u>1575</u>
P17 _____		<u>48</u>	<u>1614</u>	<u>80</u>	<u>313</u>	<u>48</u>	<u>1581</u>
P18 _____		<u>51</u>	<u>1618</u>	<u>85</u>	<u>319</u>	<u>51</u>	<u>1586</u>
P19 _____		<u>54</u>	<u>1622</u>			<u>54</u>	<u>1591</u>
P20 _____		<u>57</u>	<u>1625</u>			<u>57</u>	<u>1596</u>
		<u>60</u>	<u>1628</u>				
		<u>63</u>	<u>1630</u>			<u>60</u>	<u>1601</u>
		<u>66</u>	<u>1631</u>				

WESTERN TESTING CO., INC.
Pressure Data

Date 1/11/83 Test Ticket No. 15519
 Recorder No. 3085 Capacity 4500 Location 4379 Ft.
 Clock No. --- Elevation ----- Well Temperature 134 °F

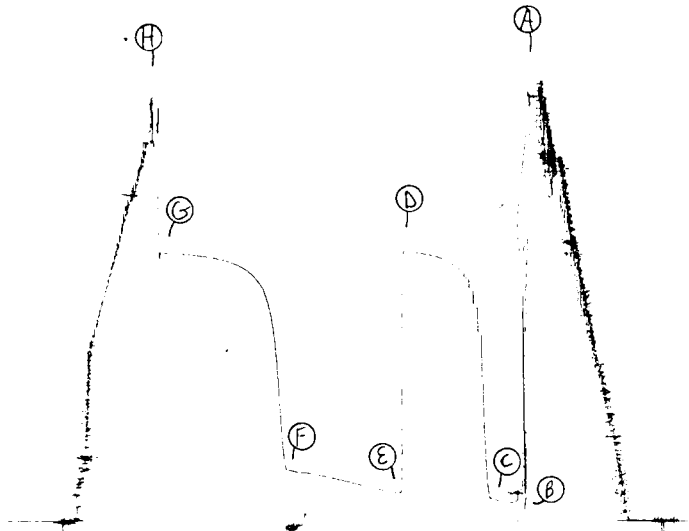
Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud <u>2372</u>	P.S.I.	Open Tool	<u>2:10P</u>	<u>M</u>
B	First Initial Flow Pressure <u>117</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C	First Final Flow Pressure <u>140</u>	P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D	Initial Closed-in Pressure <u>1631</u>	P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
E	Second Initial Flow Pressure <u>177</u>	P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F	Second Final Flow Pressure <u>319</u>	P.S.I.			
G	Final Closed-in Pressure <u>1624</u>	P.S.I.			
H	Final Hydrostatic Mud <u>2319</u>	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
	Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>22</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>17</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>31</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
P 1						63	1604	
P 2						66	1607	
P 3						69	1610	
P 4						72	1613	
P 5						75	1615	
P 6						78	1617	
P 7						81	1619	
P 8						84	1621	
P 9						87	1622	
P10						90	1623	
P11						93	1624	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

TKT # 15519

I



3085

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WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 18289

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

Elevation 1616 R.B Formation Simpson Eff. Pay - Ft.

District Pratt Date 1/14/83 Customer Order No. -
COMPANY NAME Picknell Drilling Company
ADDRESS Lrtwin Bldg Suite 205 110 North Market Wichita, KS 67202
LEASE AND WELL NO. Albright "L" #1 COUNTY Harper STATE KS Sec. 4 Twp. 31 Rge. 7W
Mail Invoice To Same #1 "L" Albright No. Copies Requested 5
Mail Charts To Same No. Copies Requested 5

Formation Test No. 3 Interval Tested From 4765 ft. to 4776 ft. Total Depth 4776 ft.
Packer Depth 4760 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 4765 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4768 ft. Recorder Number 13547 Cap. 4225
Bottom Recorder Depth (Outside) 4771 ft. Recorder Number 13552 Cap. 4050
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Picknell Rig #10 Drill Collar Length 250 I. D. 2 1/4 in.
Mud Type Viscosity Weight Pipe Length I. D. - in.
Weight Water Loss cc. Drill Pipe Length 4494 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.
Jars: Make No Serial Number Anchor Length 11 ft. Size 5/200 in.
Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods
Recovered 180 ft. of Muddy Water (Few specks of oil)
Recovered 3360 ft. of Salt Water (62,000 p.p.m.)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time On Location 9:30 AM Time Pick Up Tool 11:00 AM Time Off Location 8:30 AM
Time Set Packer(s) 12:30 PM Time Started Off Bottom 5:00 AM Maximum Temperature 128°
Initial Hydrostatic Pressure (A) 2442 P.S.I.
Initial Flow Period Minutes 30 (B) 148 P.S.I. to (C) 1672 P.S.I.
Initial Closed In Period Minutes 60 (D) 1735 P.S.I.
Final Flow Period Minutes 90 (E) 1735 P.S.I. to (F) 1735 P.S.I.
Final Closed In Period Minutes 90 (G) 1735 P.S.I.
Final Hydrostatic Pressure (H) 2421 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: Thomas Funk
Signature of Customer or his authorized representative

Western Representative: Jim Wondra Thank You

FIELD INVOICE

Open Hole Test \$ 1675.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$ 35.00
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$ 710.00
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-14-83 Test Ticket No. 18289
 Recorder No. 13547 Capacity 4225 Location 4768 Ft.
 Clock No. --- Elevation 1616 KB Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2434</u>	P.S.I.	<u>12:30A</u>	M
B First Initial Flow Pressure	<u>243</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>1733</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
D Initial Closed-in Pressure	<u>1744</u>	P.S.I.	<u>90</u>	Mins. <u>90</u> Mins.
E Second Initial Flow Pressure	<u>1744</u>	P.S.I.	<u>90</u>	Mins. <u>90</u> Mins.
F Second Final Flow Pressure	<u>1748</u>	P.S.I.		
G Final Closed-in Pressure	<u>1748</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2427</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>30</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</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	<u>243</u>	0	<u>1733</u>	0	<u>1744</u>	0	<u>1748</u>
P 2 5	<u>871</u>	3	<u>1739</u>	5	<u>2</u>	3	
P 3 10	<u>1271</u>	6	<u>1741</u>	10	<u>1744</u>	6	
P 4 15	<u>1333</u>	9		15	<u>1745</u>	9	
P 5 20	<u>1486</u>	12		20		12	
P 6 25	<u>1611</u>	15	<u>1741</u>	25	<u>1745</u>	15	
P 7 30	<u>1733</u>	18	<u>1743</u>	30	<u>1746</u>	18	
P 8 35		21		35		21	
P 9 40		24		40	<u>1746</u>	24	
P10 45		27		45	<u>1747</u>	27	
P11 50		30	<u>1743</u>	50		30	<u>1748</u>
P12 55		33	<u>1744</u>	55		33	
P13 60		36		60	<u>1747</u>	36	
P14		39		65		39	
P15		42		70	<u>1747</u>	42	
P16		45	<u>1744</u>	75	<u>1748</u>	45	
P17		48		80		48	
P18		51		85		51	
P19		54		90	<u>1748</u>	54	
P20		57				57	
		60	<u>1744</u>			60	<u>1748</u>

Cont'd

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticker No. 18289

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	_____ P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final 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 _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	_____	63	_____	_____	_____	63	1748
P 2	_____	66	_____	_____	_____	66	_____
P 3	_____	69	_____	_____	_____	69	_____
P 4	_____	72	_____	_____	_____	72	_____
P 5	_____	75	_____	_____	_____	75	_____
P 6	_____	78	_____	_____	_____	78	_____
P 7	_____	81	_____	_____	_____	81	_____
P 8	_____	84	_____	_____	_____	84	_____
P 9	_____	87	_____	_____	_____	87	_____
P10	_____	90	_____	_____	_____	90	1748
P11	_____	93	_____	_____	_____	93	_____
P12	_____	96	_____	_____	_____	96	_____
P13	_____	99	_____	_____	_____	99	_____
P14	_____	102	_____	_____	_____	102	_____
P15	_____	105	_____	_____	_____	105	_____
P16	_____	108	_____	_____	_____	108	_____
P17	_____	111	_____	_____	_____	111	_____
P18	_____	114	_____	_____	_____	114	_____
P19	_____	117	_____	_____	_____	117	_____
P20	_____	120	_____	_____	_____	120	_____

Company Pickrell Drilling Company Lease & Well No. #1 "L" Albright
 Elevation 1616 Kelly Bushing Formation Simpson Effective Pay --- Ft. Ticket No. 18289
 Date 1/14/83 Sec. 4 Twp. 31S Range 7W County Harper State Kansas
 Test Approved by Thomas Funk Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4765 ft. to 4776 ft. Total Depth 4776 ft.

Packer Depth 4760 ft. Size 6 5/8 Packer Depth - ft. Size - in.

Packer Depth 4765 ft. Size 6 5/8 Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4768 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4771 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length 250 I. D. 2 1/4 in.

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

Weight - Water Loss - cc. Drill Pipe Length 4494 I. D. 3.8 in.

Chlorides - P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 11 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods.

Recovered 180 ft. of muddy water (few specks of oil)

Recovered 3360 ft. of salt water (Chlorides 62,000 ppm)

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 12:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 128°

Initial Hydrostatic Pressure (A) 2434 P.S.I.

Initial Flow Period Minutes 30 (B) 243 P.S.I. to (C) 1733 P.S.I.

Initial Closed In Period Minutes 60 (D) 1744 P.S.I.

Final Flow Period Minutes 90 (E) 1744 P.S.I. to (F) 1748 P.S.I.

Final Closed In Period Minutes 90 (G) 1748 P.S.I.

Final Hydrostatic Pressure (H) 2427 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/14/83 Test Ticket No. 18289
 Recorder No. 13547 Capacity 4225 Location 4768 Ft.
 Clock No. --- Elevation 1616 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2434</u> P.S.I.	Open Tool	<u>12:30A</u>	<u>M</u>
B. First Initial Flow Pressure	<u>243</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>1733</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D. Initial Closed-in Pressure	<u>1744</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E. Second Initial Flow Pressure	<u>1744</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F. Second Final Flow Pressure	<u>1748</u> P.S.I.			
G. Final Closed-in Pressure	<u>1748</u> P.S.I.			
H. Final Hydrostatic Mud	<u>2427</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: 18 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>243</u>	<u>0</u>	<u>1733</u>	<u>0</u>	<u>1744</u>	<u>0</u>	<u>1748</u>
P 2 <u>5</u>	<u>871</u>	<u>3</u>	<u>1739</u>	<u>5</u>	<u>1744</u>	<u>3</u>	<u>1748</u>
P 3 <u>10</u>	<u>1271</u>	<u>6</u>	<u>1741</u>	<u>10</u>	<u>1744</u>	<u>6</u>	<u>1748</u>
P 4 <u>15</u>	<u>1333</u>	<u>9</u>	<u>1741</u>	<u>15</u>	<u>1745</u>	<u>9</u>	<u>1748</u>
P 5 <u>20</u>	<u>1486</u>	<u>12</u>	<u>1741</u>	<u>20</u>	<u>1745</u>	<u>12</u>	<u>1748</u>
P 6 <u>25</u>	<u>1611</u>	<u>15</u>	<u>1741</u>	<u>25</u>	<u>1745</u>	<u>15</u>	<u>1748</u>
P 7 <u>30</u>	<u>1733</u>	<u>18</u>	<u>1743</u>	<u>30</u>	<u>1746</u>	<u>18</u>	<u>1748</u>
P 8		<u>21</u>	<u>1743</u>	<u>35</u>	<u>1746</u>	<u>21</u>	<u>1748</u>
P 9		<u>24</u>	<u>1743</u>	<u>40</u>	<u>1746</u>	<u>24</u>	<u>1748</u>
P10		<u>27</u>	<u>1743</u>	<u>45</u>	<u>1747</u>	<u>27</u>	<u>1748</u>
P11		<u>30</u>	<u>1743</u>	<u>50</u>	<u>1747</u>	<u>30</u>	<u>1748</u>
P12		<u>33</u>	<u>1744</u>	<u>55</u>	<u>1747</u>	<u>33</u>	<u>1748</u>
P13		<u>36</u>	<u>1744</u>	<u>60</u>	<u>1747</u>	<u>36</u>	<u>1748</u>
P14		<u>39</u>	<u>1744</u>	<u>65</u>	<u>1747</u>	<u>39</u>	<u>1748</u>
P15		<u>42</u>	<u>1744</u>	<u>70</u>	<u>1747</u>	<u>42</u>	<u>1748</u>
P16		<u>45</u>	<u>1744</u>	<u>75</u>	<u>1748</u>	<u>45</u>	<u>1748</u>
P17		<u>48</u>	<u>1744</u>	<u>80</u>	<u>1748</u>	<u>48</u>	<u>1748</u>
P18		<u>51</u>	<u>1744</u>	<u>85</u>	<u>1748</u>	<u>51</u>	<u>1748</u>
P19		<u>54</u>	<u>1744</u>	<u>90</u>	<u>1748</u>	<u>54</u>	<u>1748</u>
P20		<u>57</u>	<u>1744</u>			<u>57</u>	<u>1748</u>
WTC - 4		<u>60</u>	<u>1744</u>			<u>60</u>	<u>1748</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 1/14/83

Test Ticket No. 18289

Recorder No. 13547

Capacity 4225

Location 4768 Ft.

Clock No. --- Elevation 1616 Kelly Bushing

Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2434</u> P.S.I.	Open Tool	<u>12:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>243</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>1733</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1744</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>1744</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1748</u> P.S.I.			
G Final Closed-in Pressure	<u>1748</u> P.S.I.			
H Final Hydrostatic Mud	<u>2427</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.

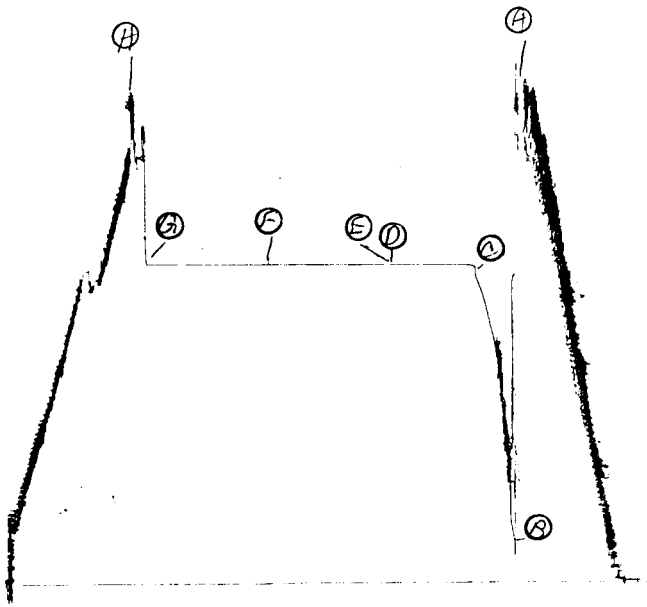
Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

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						63	1748
P 2						66	1748
P 3						69	1748
P 4						72	1748
P 5						75	1748
P 6						78	1748
P 7						81	1748
P 8						84	1748
P 9						87	1748
P10						90	1748
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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