



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 13793 *OK*

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

Elevation 1960KB Formation Miss Eff. Pay Ft.

District Pratt Date 1-4-82 Customer Order No. _____

COMPANY NAME Pickens Oil Company

ADDRESS Clinton Bldg, Suite 205 Wichita Ks 67202

LEASE AND WELL NO. James W #1 W JONES COUNTY Harper STATE Ko. Sec. 32 Twp 31 Rge 6

Mail Invoice To _____ No. Copies Requested 6

Co. Name _____ Address _____ No. Copies Requested 6

Address _____

Formation Test No. 1 Interval Tested from 4323 ft. to 4346 ft. Total Depth 4346 ft.

Packer Depth 4318 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 4323 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4324 ft. Recorder Number 1564 Cap. 4300

Bottom Recorder Depth (Outside) 4342 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor GoTods #10 Drill Collar Length _____ I. D. _____ in.

Fluid Type Chem Viscosity 46 Weight Pipe Length 560' I. D. 3.2 in.

Weight 9.0 Water Loss 9.6 cc. Drill Pipe Length 3731' I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 22' ft. Tool Size 5 1/2 in.

Anchor Length 23' ft. Size 5 1/2 in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Flow: WK Building to STRONG I.F.P. - STRONG F.F.P. No gas to surface!

Recovered 500' ft. of 995-in-pipe-

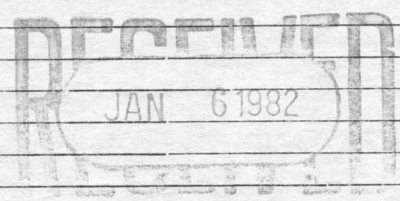
Recovered 30' ft. of Orig. mud-

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____



Time On Location 6:45 A.M. Time Pick Up Tool 8:15 A.M. Time Off Location 5:30 P.M.

Time Set Packer(s) 10:30 A.M. Time Started Off Bottom 2:30 P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure _____ (A) 2188 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 64 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 647 P.S.I.

Final Flow Period _____ Minutes 60 (E) 64 P.S.I. to (F) 43 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 626 P.S.I.

Final Hydrostatic Pressure _____ (H) 2177 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 Bill G. Kauer
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test	\$ <u>2700.00</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ <u>60.45.00</u>
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
TOTAL	\$ <u>745.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-4-82 Test Ticket No. 13793
 Recorder No. 1566 Capacity 4300 Location 4326 Ft.
 Clock No. --- Elevation 1960 RB Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2188</u>	P.S.I.	<u>10:30 A</u>	
B First Initial Flow Pressure	<u>39</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>39</u>	P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>650</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>43</u>	P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>43</u>	P.S.I.		
G Final Closed-in Pressure	<u>623</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2167</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>21</u> Inc.		Breakdown: <u>12</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>39</u>	0	<u>39</u>	0	<u>43</u>	0	<u>43</u>
P 2		3	<u>48</u>	5		3	<u>48</u>
P 3		6	<u>89</u>	10		6	<u>77</u>
P 4		9	<u>135</u>	15		9	<u>98</u>
P 5		12	<u>177</u>	20		12	<u>135</u>
P 6		15	<u>215</u>	25		15	<u>164</u>
P 7	<u>39</u>	18	<u>249</u>	30		18	<u>203</u>
P 8		21	<u>289</u>	35		21	<u>235</u>
P 9		24	<u>326</u>	40		24	<u>266</u>
P 10		27	<u>353</u>	45		27	<u>291</u>
P 11		30	<u>384</u>	50		30	<u>321</u>
P 12		33	<u>414</u>	55		33	<u>346</u>
P 13		36	<u>443</u>	60	<u>43</u>	36	<u>371</u>
P 14		39	<u>469</u>	65		39	<u>397</u>
P 15		42	<u>496</u>	70		42	<u>422</u>
P 16		45	<u>522</u>	75		45	<u>441</u>
P 17		48	<u>547</u>	80		48	<u>462</u>
P 18		51	<u>571</u>	85		51	<u>482</u>
P 19		54	<u>596</u>	90		54	<u>493</u>
P 20		57	<u>616</u>			57	<u>505</u>
		60	<u>639</u>			60	<u>517</u>
		63	<u>650</u>				

cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 13793

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 _____	<u>531</u>
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	<u>544</u>
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	<u>556</u>
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	<u>568</u>
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	<u>576</u>
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	<u>583</u>
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	<u>593</u>
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	<u>602</u>
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	<u>609</u>
P10 _____	_____	90 _____	_____	_____	_____	90 _____	<u>616</u>
P11 _____	_____	93 _____	_____	_____	_____	93 _____	<u>623</u>
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 'W' Jones
 Elevation 1460 Kelly Bushing Mississippi Formation Effective Pay - Ft. Ticket No. 13793
 Date 1/4/82 Sec. 32 Twp. 31S Range 6W County Harper State Kansas
 Test Approved by Bill G. Klaver Western Representative Mike Rogers

Formation Test No. 1 Interval Tested from 4323 ft. to 4346 ft. Total Depth 4346 ft.
 Packer Depth 4318 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4323 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4326 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4342 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length - I. D. - in.
 Mud Type chemical Viscosity 46 Weight Pipe Length 560 I. D. 3.2 in.
 Weight 9.0 Water Loss 9.6 cc. Drill Pipe Length 3731 I. D. 3.8 in.
 Chlorides 10,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 23 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak building to strong on initial flow period. Strong on final flow period. No gas to surface

Recovered 500 ft. of gas in pipe
 Recovered 30 ft. of drilling mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:30 A.M. Time Started Off Bottom 2:30 A.M. Maximum Temperature 119°
 Initial Hydrostatic Pressure (A) 2188 P.S.I.
 Initial Flow Period Minutes 30 (B) 39 P.S.I. to (C) 39 P.S.I.
 Initial Closed In Period Minutes 63 (D) 650 P.S.I.
 Final Flow Period Minutes 60 (E) 43 P.S.I. to (F) 43 P.S.I.
 Final Closed In Period Minutes 93 (G) 623 P.S.I.
 Final Hydrostatic Pressure (H) 2167 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/4/82 Test Ticket No. 13793
 Recorder No. 1566 Capacity 4300 Location 4326 Ft.
 Clock No. -- Elevation 1960 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2188 P.S.I.	Open Tool	10:30A M	
B First Initial Flow Pressure	39 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	39 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	650 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	43 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	43 P.S.I.			
G Final Closed-in Pressure	623 P.S.I.			
H Final Hydrostatic Mud	2167 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: 21 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: 31 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	39	0	39	0	43	0	43
P 2 5	39	3	48	5	43	3	48
P 3 10	39	6	89	10	43	6	77
P 4 15	39	9	135	15	43	9	98
P 5 20	39	12	177	20	43	12	135
P 6 25	39	15	215	25	43	15	164
P 7 30	39	18	249	30	43	18	203
P 8		21	289	35	43	21	235
P 9		24	326	40	43	24	266
P10		27	353	45	43	27	291
P11		30	384	50	43	30	321
P12		33	414	55	43	33	346
P13		36	443	60	43	36	371
P14		39	469			39	397
P15		42	496			42	422
P16		45	522			45	441
P17		48	547			48	462
P18		51	571			51	482
P19		54	596			54	493
P20		57	616			57	505
WTC - 4		60	639			60	517
		63	650				

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WESTERN TESTING CO., INC.

Pressure Data

Date 1/4/82 Test Ticket No. 13793
 Recorder No. 1566 Capacity 4300 Location 4326 Ft.
 Clock No. -- Elevation 1960 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2188</u>	P.S.I.	<u>10:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>39</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>39</u>	P.S.I.	<u>60</u>	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>650</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>43</u>	P.S.I.	<u>90</u>	<u>93</u> Mins.
F Second Final Flow Pressure	<u>43</u>	P.S.I.		
G Final Closed-in Pressure	<u>623</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2167</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: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

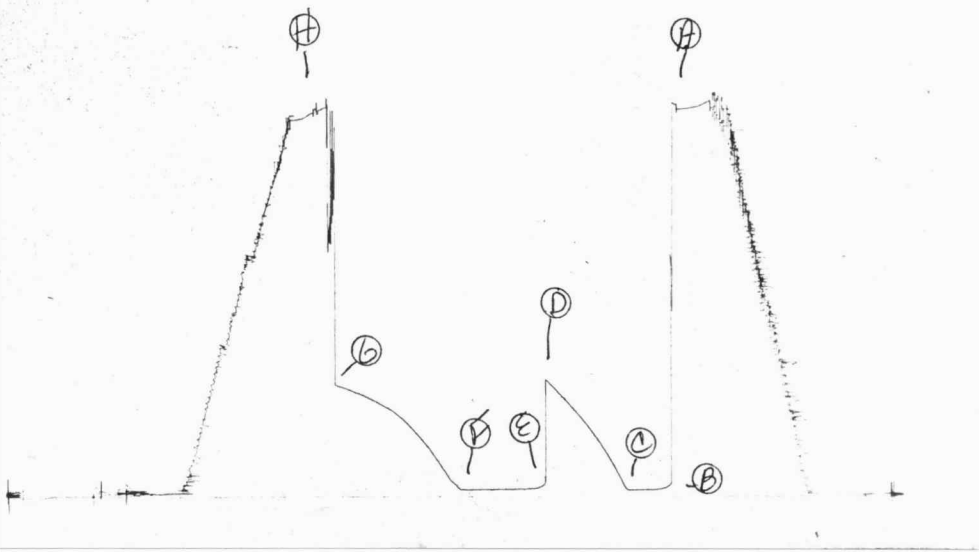
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 31 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>63</u>	<u>531</u>
P 2						<u>66</u>	<u>544</u>
P 3						<u>69</u>	<u>556</u>
P 4						<u>72</u>	<u>568</u>
P 5						<u>75</u>	<u>576</u>
P 6						<u>78</u>	<u>583</u>
P 7						<u>81</u>	<u>593</u>
P 8						<u>84</u>	<u>602</u>
P 9						<u>87</u>	<u>609</u>
P10						<u>90</u>	<u>616</u>
P11						<u>93</u>	<u>623</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1566 (6)

TK# 13793
I -





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 13794

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

Elevation 1460 KB Formation Simpson Sand Eff. Pay Ft.

District Pratt Date 1-6-82 Customer Order No.

COMPANY NAME Pickrell Drilling Company

ADDRESS Route 205 Latimer Bldg. Wichita Ks 67202

LEASE AND WELL NO. 1 Jones - W COUNTY Harper STATE Ks. Sec. 32 Twp 31 Rge 6

Mail Invoice To #1 W. Jones No. Copies Requested 6

Co. Name Address

Mail Charts To Address No. Copies Requested 6

Formation Test No. 2 Interval Tested from 4732 ft. to 4746 ft. Total Depth 4746 ft.

Packer Depth 4737 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4732 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4735 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4743 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Cotels 10 Drill Collar Length I. D. in.

Mud Type chem. Viscosity 39 Weight Pipe Length 560 I. D. 3.2 in.

Weight 9.5 Water Loss 12000/112 cc. Drill Pipe Length 4151 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 14 ft. Size 5 1/2 in.

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

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

Blow: STRONG Throughout Test! No gas to surface!

Recovered 3700 ft. of gassy Salt Water! w/ 52,000 Chlorides!

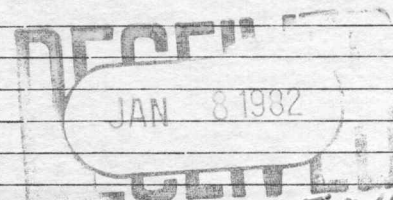
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time On Location 1:15 A.M. Time Pick Up Tool 2:30 P.M. Time Off Location 5:45 P.M.

Time Set Packer(s) 7:00 P.M. Time Started Off Bottom 11:00 P.M. Maximum Temperature 182°

Initial Hydrostatic Pressure (A) 2460 P.S.I.

Initial Flow Period 30 Minutes (B) 248 P.S.I. to (C) 1098 P.S.I.

Initial Closed In Period 60 Minutes (D) 1798 P.S.I.

Final Flow Period 60 Minutes (E) 1151 P.S.I. to (F) 1776 P.S.I.

Final Closed In Period 90 Minutes (G) 1798 P.S.I.

Final Hydrostatic Pressure (H) 2449 P.S.I.

COMPANY TERMS

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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 Bill Klauer
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test	\$ <u>700</u>
Misrun	\$ <u> </u>
Straddle Test	\$ <u> </u>
Jars	\$ <u> </u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u>225</u>
Mileage	\$ <u>6045</u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>
Insurance	\$ <u>180</u>
TOTAL	\$ <u> </u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1-6

Test Ticket No. 13794

Recorder No. 1566

Capacity 4300

Location 4735 Ft

Clock No. -----

Elevation 1460 KB

Well Temperature 182 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2472</u> P.S.I.		<u>7:00 P</u>	
B First Initial Flow Pressure	<u>246*</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>1098*</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>1796</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>1171</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1754</u> P.S.I.	* Pressures questionable due to plugging action.		
G Final Closed-in Pressure	<u>1799</u> P.S.I.			
H Final Hydrostatic Mud	<u>2419</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 17 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 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 0	<u>246*</u>	0	<u>1098*</u>	0	<u>1171</u>	0	<u>1754</u>
P 2 5	<u>509*</u>	3	<u>1774</u>	5	<u>1201</u>	3	<u>1781</u>
P 3 10	<u>620*</u>	6	<u>1785</u>	10	<u>1281</u>	6	<u>1790</u>
P 4 15	<u>718*</u>	9	<u>1790</u>	15	<u>1365</u>	9	<u>1795</u>
P 5 20	<u>783*</u>	12	<u>1792</u>	20	<u>1438</u>	12	<u>1798</u>
P 6 25	<u>886*</u>	15	<u>1793</u>	25	<u>1500</u>	15	<u>1799</u>
P 7 30	<u>1006*</u>	18	<u>1794</u>	30	<u>1558</u>	18	
P 8 35	<u>1098*</u>	21	<u>1795</u>	35	<u>1610</u>	21	
P 9 40		24	<u>1796</u>	40	<u>1658</u>	24	
P10 45		27	<u>1796</u>	45	<u>1696</u>	27	
P11 50		30	<u>1796</u>	50	<u>1725</u>	30	<u>1799</u>
P12 55		33		55	<u>1754</u>	33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51	<u>1796</u>	85		51	
P19		54		90		54	
P20		57				57	
		60				60	<u>1799</u>

omit

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 13794

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 _____	1799
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 _____	1799
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. W. Jones #1
 Elevation 1460 Kelly Bushing Formation Simpson Sand Effective Pay - Ft. Ticket No. 13794
 Date 1/6/82 Sec. 32 Twp. 31S Range 6W County Harper State Kansas
 Test Approved by Bill Klaver Western Representative Mike Rogers

Formation Test No. 2 Interval Tested from 4732 ft. to 4746 ft. Total Depth 4746 ft.
 Packer Depth 4727 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4732 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4735 ft. Recorder Number 1566 Cap. 4200
 Bottom Recorder Depth (Outside) 4743 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #10 Drill Collar Length - I. D. - in.
 Mud Type chemical Viscosity 39 Weight Pipe Length 560 I. D. 3.2 in.
 Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 4151 I. D. 3.8 in.
 Chlorides 12,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 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 in.

Blow: Strong throughout test. No gas to surface

Recovered 3700 ft. of gassy salt water with 52,000 ppm chlorides
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 7:00 A.M. Time Started Off Bottom 11:00 A.M. Maximum Temperature 182°
 Initial Hydrostatic Pressure _____ (A) 2472 P.S.I.
 Initial Flow Period _____ Minutes 35 (B) 246 * P.S.I. to (C) 1098 * P.S.I.
 Initial Closed In Period _____ Minutes 51 (D) 1796 P.S.I.
 Final Flow Period _____ Minutes 55 (E) 1171 P.S.I. to (F) 1754 P.S.I.
 Final Closed In Period _____ Minutes 90 (G) 1799 P.S.I.
 Final Hydrostatic Pressure _____ (H) 2419 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/6/82 Test Ticket No. 13794
 Recorder No. 1566 Capacity 4300 Location 4735 Ft.
 Clock No. -- Elevation 1460 KellyBushing Well Temperature 182 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
				M	M
A Initial Hydrostatic Mud	2472	P.S.I.	Open Tool	7:00P	
B First Initial Flow Pressure	246 *	P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	1098 *	P.S.I.	Initial Closed-in Pressure	60 Mins.	51 Mins.
D Initial Closed-in Pressure	1796	P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	1171	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	1754	P.S.I.			
G Final Closed-in Pressure	1799	P.S.I.			
H Final Hydrostatic Mud	2419	P.S.I.			

* PRESSURES QUESTIONABLE DUE TO PLUGGING

ACTION

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 17 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 11 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	0	0	1098 *	0	1171	0	1754
P 2	5	3	1774	5	1201	3	1781
P 3	10	6	1785	10	1281	6	1790
P 4	15	9	1790	15	1365	9	1795
P 5	20	12	1792	20	1438	12	1798
P 6	25	15	1793	25	1500	15	1799
P 7	30	18	1794	30	1558	18	1799
P 8	35	21	1795	35	1610	21	1799
P 9		24	1796	40	1658	24	1799
P10		27	1796	45	1696	27	1799
P11		30	1796	50	1725	30	1799
P12		33	1796	55	1754	33	1799
P13		36	1796			36	1799
P14		39	1796			39	1799
P15		42	1796			42	1799
P16		45	1796			45	1799
P17		48	1796			48	1799
P18		51	1796			51	1799
P19						54	1799
P20						57	1799
						60	1799

1566

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TKT #13794

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