



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

23097

P. O. BOX 793

PHONE 793-7903

GREAT BEND, KANSAS

Formation Miss. Elevation _____ Eff. Pay _____ Ft.

District Pratt

Date 3rd 6

Customer Order No. _____

COMPANY NAME Pickens Drilling Co

ADDRESS Litwin Building Suite 205 - 220 N. Market Wichita

LEASE AND WELL NO. BANTA C-3

COUNTY Lincoln STATE Kansas Sec. 4 Twp. 31 Rge. 8

Mail Inv. To Same

Co. Name

Address

No. Copies Requested Reg

Mail Charts To Same

Address

No. Copies Requested Reg

Formation Test No. 1 O.K. X Misrun _____ Interval Tested From 4395 to 4418 Total Depth 4418
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. X Damaged Yes X No Conv. X B.T. Damaged Yes X No
Top Packer Depth 4390 Ft. Size 6 3/4 Bottom Packer Depth 4395 Ft. Size 6 3/4
Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____
Tool Size 5500 Tool Joint Size 4 1/2 FH Anchor Length 23 Ft. Size 5500 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4409 Ft. Clock No. 4763 Depth 4412 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2604 Inside Outside
Bottom Make Kuster Cap. 4150 No. 2604 Inside Outside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Depth _____ Ft. Rec. No. _____ Clock No. _____

Time Set Packer 5:43 A M
Tool Open I.F.P. From 5:45 M. to 6:15 M. Hr. 30 Min. From (B) 4266 P.S.I. To (C) 5567 P.S.I.
Tool Closed I.C.I.P. From 6:15 M. to 7:15 M. Hr. _____ Min. (D) 1265 1276 P.S.I.
Tool Open F.F.P. From 7:15 M. to 8:45 M. Hr. 30 Min. From (E) 5565 P.S.I. To (F) 7480 P.S.I.
Tool Closed F.C.I.P. From 8:45 M. to 9:45 M. Hr. _____ Min. (G) 1108 1133 P.S.I.
Initial Hydrostatic Pressure (A) 2348 P.S.I. Final Hydrostatic Pressure (H) 2348 P.S.I. Maximum Temp 121

INFORMATION

BLOW Strong blow through test - Gas to surface in 10 min -
See attached sheet
Did Well Flow Yes X No _____ Recovery Total Ft. 200 ft. - 80 ft. 521.01 ft GAS CUT MUD
120 ft. HEAVY OIL & GAS CUT MUD

Reversed Out Yes X No _____ Mud Type Starchy Viscosity 44 Weight 7.9 Water Loss 12.8 cc. Chlorides 55,000
EXTRA EQUIPMENT: Type Circ. Sub. Rin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____
DRILLING CONTRACTOR Co. tools Length Drill Pipe 3775 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 600 ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars _____ ft. I.D. Drill Collars _____ In.
Tool Joint Size _____ In. Length D.S.T. Tool 43 ft.

Remarks _____

INVOICE SECTION

Open Hole Test	\$ <u>415</u>
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>415</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By H.F. Filson

Signature of Customer or his
Authorized Representative

Western Representative Bill Hager

Operator's Time Frank Fox

Hrs. _____

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 960

Date 10-6-77 Ticket 23097 Company Pickrell Drilling Co.
Well Name and No. BATA C-3 Dst No. #1 Interval Tested 4395-4418
County Kingman State KANSAS Sec. 4 Twp. 31 Rg. 8

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface in 10 min PRE FLOW						
	20	42	1/2 orifice plate			40,700 C.F.T. Pd.
	30	50	" "			44,300 C.F.T. P.D.

SECOND FLOW						
10	10	72	1/2" orifice plate			53,200
20	20	60				48,600
"	30	56				46,900
	40	50				44,300
	50	48				43,400
	60	46				42,500
	70	42				40,700
	80	40				39,600
	90	38				38,600

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% per month, equal to 12% 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 9-6-77 Test Ticket No. 23097
 Recorder No. 2604 Capacity 4150 Location 4409 Ft.
 Clock No. 4763 Elevation — Well Temperature 121 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2454 P.S.I. Open Tool 5:43A M
 B First Initial Flow Pressure 66 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 67 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1276 P.S.I. Second Flow Pressure 90 Mins. 90 Mins.
 E Second Initial Flow Pressure 65 P.S.I. Final Closed-in Pressure 60 Mins. 75 Mins.
 F Second Final Flow Pressure 80 P.S.I.
 G Final Closed-in Pressure 1133 P.S.I.
 H Final Hydrostatic Mud 2319 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>18</u> Inc.		Breakdown: <u>25</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>66</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>80</u>
P 2 <u>5</u>	<u>53</u>	<u>3</u>	<u>242</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>177</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>439</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>358</u>
P 4 <u>15</u>	<u>59</u>	<u>9</u>	<u>611</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>525</u>
P 5 <u>20</u>	<u>62</u>	<u>12</u>	<u>749</u>	<u>20</u>	<u>61</u>	<u>12</u>	<u>643</u>
P 6 <u>25</u>	<u>64</u>	<u>15</u>	<u>853</u>	<u>25</u>	<u>62</u>	<u>15</u>	<u>737</u>
P 7 <u>30</u>	<u>67</u>	<u>18</u>	<u>933</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>789</u>
P 8 <u>35</u>		<u>21</u>	<u>995</u>	<u>35</u>	<u>65</u>	<u>21</u>	<u>842</u>
P 9 <u>40</u>		<u>24</u>	<u>1040</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>885</u>
P10 <u>45</u>		<u>27</u>	<u>1079</u>	<u>45</u>	<u>68</u>	<u>27</u>	<u>918</u>
P11 <u>50</u>		<u>30</u>	<u>1113</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>944</u>
P12 <u>55</u>		<u>33</u>	<u>1139</u>	<u>55</u>	<u>70</u>	<u>33</u>	<u>967</u>
P13 <u>60</u>		<u>36</u>	<u>1163</u>	<u>60</u>	<u>71</u>	<u>36</u>	<u>990</u>
P14		<u>39</u>	<u>1183</u>	<u>65</u>	<u>73</u>	<u>39</u>	<u>1006</u>
P15		<u>42</u>	<u>1200</u>	<u>70</u>	<u>75</u>	<u>42</u>	<u>1023</u>
P16		<u>45</u>	<u>1215</u>	<u>75</u>	<u>76</u>	<u>45</u>	<u>1039</u>
P17		<u>48</u>	<u>1228</u>	<u>80</u>	<u>77</u>	<u>48</u>	<u>1051</u>
P18		<u>51</u>	<u>1240</u>	<u>85</u>	<u>79</u>	<u>51</u>	<u>1063</u>
P19		<u>54</u>	<u>1258</u>	<u>90</u>	<u>80</u>	<u>54</u>	<u>1075</u>
P20		<u>57</u>	<u>1269</u>			<u>57</u>	<u>1086</u>
		<u>60</u>	<u>1276</u>			<u>60</u>	<u>1094</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. _____

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 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0		0		0		0	
P 2 5		3		5		6 3	1105
P 3 10		6		10		6 6	1111
P 4 15		9		15		6 9	1119
P 5 20		12		20		7 2	1127
P 6 25		15		25		7 5	1133
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P 10 45		27		45		27	
P 11 50		30		50		30	
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	



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

Company Pickrell Drilling Company Lease & Well No. Banta C-#3
Elevation - Formation Mississippi Effective Pay - Ft. Ticker No. 23097
Date 9-6-77 Sec. 4 Twp. 31S Range 8W County Kingman State Kansas
Test Approved by H. F. Filson Western Representative Bill Hager
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4395' to 4418' Total Depth 4418'
Size Main Hole 7 7/8 Rat Hole - Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 4390 Ft. Size 6 3/4 Bottom Packer Depth 4395 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 23 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4409 Ft. Clock No. 4763 Depth 4412 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2604 Inside ☐ Outside ☒ Bottom Make Kuster Cap. 4150 No. 2606 Inside ☐ Outside ☒
Below Straddle: Depth - Rec. No. - Clock No. - Inside ☐ Outside ☐ Depth - Ft. Rec. No. - Clock No. - Inside ☐ Outside ☐
Time Set Packer 5:43A M
Tool Open I.F.P. From 5:45A M. to 6:15A M. - Hr. 30 Min. From (B) 66 P.S.I. To (C) 67 P.S.I.
Tool Closed I.C.I.P. From 6:15A M. to 7:15A M. - Hr. 60 Min (D) 1276 P.S.I.
Tool Open F.F.P. From 7:15A M. to 8:45A M. - Hr. 90 Min. From (E) 65 P.S.I. To (F) 80 P.S.I.
Tool Closed F.C.I.P. From 8:45A M. to 9:45A M. - Hr. 60 Min. (G) 1133 P.S.I.
Initial Hydrostatic Pressure (A) 2454 P.S.I. Final Hydrostatic Pressure (H) 2319 P.S.I. Maximum Temp. 121

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 10 minutes. See attached sheet for gas measurements.
Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 200' total recovery 80' slightly oil and gas cut mud.
120' heavy oil and gas cut mud.

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 44 Weight 9.9 Water Loss 12.8 cc. Chlorides 55,000 p.p.m.
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR Co. tools Length Drill Pipe? 3775 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 600 Ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 43 Ft.

Remarks:



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

GAS FLOW REPORT

Date 9-6-77 Ticket 23097 Company Pickrell Drilling Company
Well Name and No. Banta C-#3 Dst No. 1 Interval Tested 4395' - 4418'
County Kingman State Kansas Sec. 4 Twp. 31S Rg. 8W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
6:05AM	20 min.	42" water	1/2" orifice			40,700 C.F.P.D.
6:15AM	30 min.	50" water	1/2" orifice			44,300 C.F.P.D.
Gas to surface in 10 minutes.						

SECOND FLOW						
7:25AM	10 min.	72" water	1/2" orifice			53,200 C.F.P.D.
7:35AM	20 min.	60" water	1/2" orifice			48,600 C.F.P.D.
7:45AM	30 min.	56" water	1/2" orifice			46,900 C.F.P.D.
7:55AM	40 min.	50" water	1/2" orifice			44,300 C.F.P.D.
8:05AM	50 min.	48" water	1/2" orifice			43,400 C.F.P.D.
8:15AM	60 min.	46" water	1/2" orifice			42,500 C.F.P.D.
8:25AM	70 min.	42" water	1/2" orifice			40,700 C.F.P.D.
8:35AM	80 min.	40" water	1/2" orifice			39,600 C.F.P.D.
8:45AM	90 min.	38" water	1/2" orifice			38,600 C.F.P.D.

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% per month, equal to 12% 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 H.F. Filson

WESTERN TESTING CO., INC.

Pressure Data

Date 9-6-77

Test Ticket No. 23097

Recorder No. 2604

Capacity 4150

Location 4409 Ft.

Clock No. 4763

Elevation -

Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2454	P.S.I.	5:43A	M
B First Initial Flow Pressure	66	P.S.I.	30	Mins. 30
C First Final Flow Pressure	67	P.S.I.	60	Mins. 60
D Initial Closed-in Pressure	1276	P.S.I.	90	Mins. 90
E Second Initial Flow Pressure	65	P.S.I.	60	Mins. 75
F Second Final Flow Pressure	80	P.S.I.		
G Final Closed-in Pressure	1133	P.S.I.		
H Final Hydrostatic Mud	2319	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>18</u> Inc.		Breakdown: <u>25</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	66	0	67	0	65	0	80
P 2 5	53	3	242	5	53	3	177
P 3 10	56	6	439	10	56	6	358
P 4 15	59	9	611	15	58	9	525
P 5 20	62	12	749	20	61	12	643
P 6 25	64	15	853	25	62	15	737
P 7 30	67	18	933	30	64	18	789
P 8		21	995	35	65	21	842
P 9		24	1040	40	66	24	885
P10		27	1079	45	68	27	918
P11		30	1113	50	69	30	944
P12		33	1139	55	70	33	967
P13		36	1163	60	71	36	990
P14		39	1183	65	73	39	1006
P15		42	1200	70	75	42	1023
P16		45	1215	75	76	45	1039
P17		48	1228	80	77	48	1051
P18		51	1240	85	79	51	1063
P19		54	1258	90	80	54	1075
P20		57	1269			57	1086
		60	1276				

WESTERN TESTING CO., INC.

Pressure Data

Date 9-6-77 Test Ticket No. 23097
 Order No. 2604 Capacity 4150 Location 4409 Ft.
 Job No. 4763 Elevation - Well Temperature 121 °F

Initial	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2454 P.S.I.	Open Tool	5:43A	M
First Initial Flow Pressure	66 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	67 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	1276 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
Second Initial Flow Pressure	65 P.S.I.	Final Closed-in Pressure	60 Mins.	75 Mins.
Second Final Flow Pressure	80 P.S.I.			
Final Closed-in Pressure	1133 P.S.I.			
Final Hydrostatic Mud	2319 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>18</u> Inc.		Breakdown: <u>25</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	Press.	Point	Press.	Point	Press.	Point	Press.
Minutes		Minutes		Minutes		Minutes	
1						60	1094
2						63	1105
3						66	1111
4						69	1119
5						72	1127
6						75	1133
7							
8							
9							
0							
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0							

TKT # 23097

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

23098

P. O. BOX 793

PHONE 793-7903

GREAT BEND, KANSAS

Formation Mississippi Elevation - Eff. Pay - Ft.District PRAHDate 9-7-77Customer Order No. -COMPANY NAME PICKRELL ~~SALE~~ Co. Drilling CompanyADDRESS 617WIN BLDG, SUITE 205 - 2204 N. MARKET - WICHITA, KSLEASE AND WELL NO. RANTA C-3COUNTY KINGMAN STATE KS.Sec. 4Twp. 31Rge. 8Mail Inv. To SAME

Co. Name

Address

No. Copies Requested RegMail Charts To SAME

Address

No. Copies Requested Reg

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4433' to 4445' Total Depth 4445'
 Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
 Top Packer Depth 4428 Ft. Size 6 3/4 Bottom Packer Depth 4433 Ft. Size 6 3/4
 Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
 Tool Size 5/8 O.D. Tool Joint Size 4 1/2 F.H. Anchor Length 12 Ft. Size 5/8 O.D. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4436 Ft. Clock No. 4763 Inside
 Top Make KUSTER Cap. 4150 No. 2604 Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside
 Depth - Ft. Rec. No. - Clock No. - Outside

Time Set Packer 9138 M
 Tool Open I.F.P. From 9140 M. to 10:10 M. - Hr. 30 Min. From (B) 2128 P.S.I. To (C) 4237 P.S.I.
 Tool Closed I.C.I.P. From 10:10 M. to 11:10 M. 1 Hr. - Min. (D) 993 1000 P.S.I.
 Tool Open F.F.P. From 10:10 M. to 12:40 M. 1 Hr. 30 Min. From (E) 4240 P.S.I. To (F) 2476 P.S.I.
 Tool Closed F.C.I.P. From 12:40 M. to 1:40 M. 1 Hr. - Min. (G) 993 998 P.S.I.
 Initial Hydrostatic Pressure (A) 2369 P.S.I. Final Hydrostatic Pressure (H) 2369 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Strong Blow VARIOUT TESTDid Well Flow - Yes X No Recovery Total Ft. 150 FT. VERY SL. OIL + GAS OUT MUDDY WATERReversed Out - Yes X No Mud Type STARCH Viscosity 44 Weight 9.8 Water Loss 1218 cc. Chlorides 55,000 P.P.M.EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint - Jars: Size - In. Make - Ser. No. -Dual Packers YES Did Packers Hold? YES Did Tool Plug? NO Where? -DRILLING CONTRACTOR CO TOOLS Length Drill Pipe 3813 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.Length Weight Pipe 600 ft. I.D. Weight Pipe 3 In. Tool Joint Size 4 1/2 F.H. In. Length Drill Collars - ft. I.D. Drill Collars - In.Tool Joint Size - In. Length D.S.T. Tool 32 ft.Remarks Checked 100,000 P.P.M.

INVOICE SECTION

Open Hole Test	\$ <u>415.00</u>
Straddle Test	\$ <u>-</u>
Jars	\$ <u>-</u>
Selective Zone	\$ <u>-</u>
Safety Joint	\$ <u>-</u>
Misrun	\$ <u>-</u>
Evaluation	\$ <u>-</u>
Packer	\$ <u>-</u>
Circ. Sub.	\$ <u>-</u>
Total	\$ <u>415.00</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By W. F. Felson

Signature of Customer or his Authorized Representative

Western Representative Bill FelsonOperator's Time 8:30

Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-7-77 Test Ticket No. 23098
 Recorder No. 2604 Capacity 4150 Location _____ Ft.
 Clock No. 4763 Elevation — Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2352</u> P.S.I.	Open Tool	<u>9:38</u> M	
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1000</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>72</u> P.S.I.			
G Final Closed-in Pressure	<u>998</u> P.S.I.			
H Final Hydrostatic Mud	<u>2333</u> 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 <u>0</u>	<u>28</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>72</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>134</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>128</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>222</u>
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>185</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>313</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>240</u>	<u>20</u>	<u>51</u>	<u>12</u>	<u>399</u>
P 6 <u>25</u>	<u>36</u>	<u>15</u>	<u>292</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>474</u>
P 7 <u>30</u>	<u>37</u>	<u>18</u>	<u>359</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>544</u>
P 8 <u>35</u>		<u>21</u>	<u>417</u>	<u>35</u>	<u>55</u>	<u>21</u>	<u>605</u>
P 9 <u>40</u>		<u>24</u>	<u>474</u>	<u>40</u>	<u>59</u>	<u>24</u>	<u>659</u>
P10 <u>45</u>		<u>27</u>	<u>533</u>	<u>45</u>	<u>60</u>	<u>27</u>	<u>708</u>
P11 <u>50</u>		<u>30</u>	<u>590</u>	<u>50</u>	<u>60</u>	<u>30</u>	<u>753</u>
P12 <u>55</u>		<u>33</u>	<u>646</u>	<u>55</u>	<u>61</u>	<u>33</u>	<u>791</u>
P13 <u>60</u>		<u>36</u>	<u>696</u>	<u>60</u>	<u>64</u>	<u>36</u>	<u>829</u>
P14		<u>39</u>	<u>742</u>	<u>65</u>	<u>65</u>	<u>39</u>	<u>857</u>
P15		<u>42</u>	<u>782</u>	<u>70</u>	<u>67</u>	<u>42</u>	<u>887</u>
P16		<u>45</u>	<u>830</u>	<u>75</u>	<u>69</u>	<u>45</u>	<u>908</u>
P17		<u>48</u>	<u>864</u>	<u>80</u>	<u>69</u>	<u>48</u>	<u>929</u>
P18		<u>51</u>	<u>899</u>	<u>85</u>	<u>71</u>	<u>51</u>	<u>950</u>
P19		<u>54</u>	<u>929</u>	<u>90</u>	<u>72</u>	<u>54</u>	<u>965</u>
P20		<u>57</u>	<u>954</u>			<u>57</u>	<u>984</u>
		<u>60</u>	<u>979</u>			<u>60</u>	<u>998</u>
		<u>63</u>	<u>1000</u>				



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

Company Pickrell Drilling Company Lease & Well No. Banta C #3
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 23098
Date 9-7-77 Sec. 4 Twp. 31S Range 8W County Kingman State Kansas
Test Approved by H.F. Filson Western Representative Bill Hager
Formation Test No. 2 O.K. X Misrun - Interval Tested From 4433' to 4445' Total Depth 4445'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 4428 Ft. Size 6 3/4 Bottom Packer Depth 4433 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 12 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4436 Ft. Clock No. 4763 Depth 4439 Ft. Clock No. 9726
Top Make Kuster Cap. 4150 No. 2604 Inside - Outside - Bottom Make Kuster Cap. 4150 No. 2606 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 9:38 M
Tool Open I.F.P. From 9:40 M. to 10:10 M. - Hr. 30 Min. From (B) 28 P.S.I. To (C) 37 P.S.I.
Tool Closed I.C.I.P. From 10:10 M. to 11:10 M. - Hr. 60 Min (D) 1000 P.S.I.
Tool Open F.F.P. From 11:10 M. to 12:40 M. - Hr. 90 Min. From (E) 46 P.S.I. To (F) 76 P.S.I.
Tool Closed F.C.I.P. From 12:40 M. to 1:40 M. - Hr. 60 Min. (G) 998 P.S.I.
Initial Hydrostatic Pressure (A) 2352 P.S.I. Final Hydrostatic Pressure (H) 1222 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow - Yes X No - Recovery Total Ft. 150' of very slightly oil and gas cut muddy water.

Reversed Out - Yes X No - Mud Type Starch Viscosity 44 Weight 9.8 Water Loss 12.8 cc. Chlorides 55,000 PPM

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

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

DRILLING CONTRACTOR Pickrell Drilling Co. Length Drill Pipe? 3813 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 600 Ft. I.D. Weight Pipe 3. In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 32 Ft.

Remarks: Chloride checked: 100,000 PPM

WESTERN TESTING CO., INC.

Pressure Data

Date 9-7-77 Recorder No. 2604 Capacity 4150 Test Ticket No. 23098
 Clock No. 4763 Elevation - Location 4436 Ft. 128
 Well Temperature 128 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	2352 P.S.I.		9:38 M	
B First Initial Flow Pressure	28 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	37 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	1000 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	46 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	72 P.S.I.			
G Final Closed-in Pressure	998 P.S.I.			
H Final Hydrostatic Mud	2333 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>18</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>28</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>72</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>134</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>128</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>222</u>
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>185</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>313</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>240</u>	<u>20</u>	<u>51</u>	<u>12</u>	<u>399</u>
P 6 <u>25</u>	<u>36</u>	<u>15</u>	<u>292</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>474</u>
P 7 <u>30</u>	<u>37</u>	<u>18</u>	<u>359</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>544</u>
P 8		<u>21</u>	<u>417</u>	<u>35</u>	<u>55</u>	<u>21</u>	<u>605</u>
P 9		<u>24</u>	<u>474</u>	<u>40</u>	<u>59</u>	<u>24</u>	<u>659</u>
P10		<u>27</u>	<u>533</u>	<u>45</u>	<u>60</u>	<u>27</u>	<u>708</u>
P11		<u>30</u>	<u>590</u>	<u>50</u>	<u>60</u>	<u>30</u>	<u>753</u>
P12		<u>33</u>	<u>646</u>	<u>55</u>	<u>61</u>	<u>33</u>	<u>791</u>
P13		<u>36</u>	<u>696</u>	<u>60</u>	<u>64</u>	<u>36</u>	<u>829</u>
P14		<u>39</u>	<u>742</u>	<u>65</u>	<u>65</u>	<u>39</u>	<u>857</u>
P15		<u>42</u>	<u>782</u>	<u>70</u>	<u>67</u>	<u>42</u>	<u>887</u>
P16		<u>45</u>	<u>830</u>	<u>75</u>	<u>69</u>	<u>45</u>	<u>908</u>
P17		<u>48</u>	<u>864</u>	<u>80</u>	<u>69</u>	<u>48</u>	<u>929</u>
P18		<u>51</u>	<u>899</u>	<u>85</u>	<u>71</u>	<u>51</u>	<u>950</u>
P19		<u>54</u>	<u>929</u>	<u>90</u>	<u>72</u>	<u>54</u>	<u>965</u>
P20		<u>57</u>	<u>954</u>			<u>57</u>	<u>984</u>
WTC - 4		<u>60</u>	<u>979</u>			<u>60</u>	<u>998</u>
		<u>63</u>	<u>1000</u>				

TK4# 23098

I.

