

Company Brunson-Spines Lease & Well No. H. Miller #1
 Elevation --- Formation Mississippi Effective Pay - Ft. Ticket No. 10517
 Date 5/16/81 Sec. 13 Twp. 28S Range 15W County Pratt State Kansas
 Test Approved by B. Wright Western Representative Les Holtz

Formation Test No. 1 Interval Tested from 4514 ft. to 4550 ft. Total Depth 4550 ft.
 Packer Depth 4509 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4514 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4543 ft. Recorder Number 1051 Cap. 4250
 Bottom Recorder Depth (Outside) 4546 ft. Recorder Number 13267 Cap. 4050
 Below Straddle Recorder Depth = ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type premix Viscosity 52 Weight Pipe Length 1082 I. D. 2.76 in.
 Weight 9.2 Water Loss 15.8 cc. Drill Pipe Length 3409 I. D. 3.8 in.
 Chlorides 23,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 36 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 XH in.

Blow: Weak blow; died in seventeen minutes on initial flow period. No blow final flow period.

Recovered 15 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s)	<u>1:00</u>	<u>A.M.</u>	Time Started Off Bottom	<u>3:00</u>	<u>P.M.</u>	Maximum Temperature	<u>124°</u>
Initial Hydrostatic Pressure			(A)	<u>2204</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>102</u>	P.S.I. to (C)	<u>70</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>74</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>74</u>	P.S.I. to (F)	<u>77</u>	P.S.I.
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>74</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2166</u>	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 5/16/81 Test Ticket No. 10517
 Recorder No. 1051 Capacity 4250 Location 4543 Ft.
 Clock No. - Elevation - Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
			1:00A	M
A Initial Hydrostatic Mud	2204	P.S.I.	Open Tool	
B First Initial Flow Pressure	102	P.S.I.	30	30
C First Final Flow Pressure	70	P.S.I.	30	30
D Initial Closed-in Pressure	74	P.S.I.	30	30
E Second Initial Flow Pressure	74	P.S.I.	30	30
F Second Final Flow Pressure	77	P.S.I.		
G Final Closed-in Pressure	74	P.S.I.		
H Final Hydrostatic Mud	2166	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: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

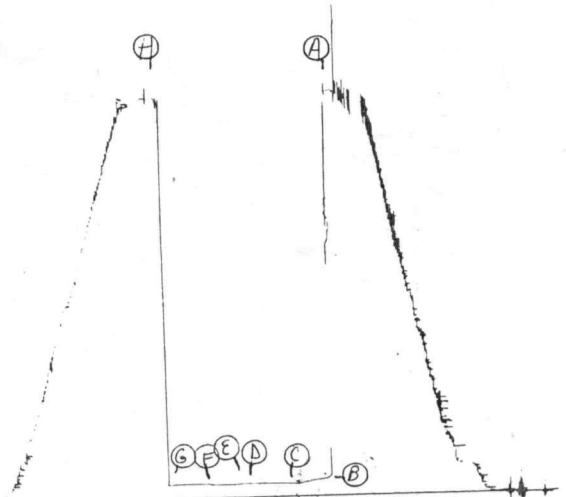
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Initial Shut-In		Second Flow Pressure		Final Shut-In	
		Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	70	0	74	0	77
P 2	5	3	70	5	73	3	77
P 3	10	6	70	10	72	6	77
P 4	15	9	71	15	71	9	77
P 5	20	12	72	20	73	12	77
P 6	25	15	73	25	75	15	77
P 7	30	18	73	30	77	18	76
P 8		21	73			21	76
P 9		24	73			24	75
P10		27	73			27	75
P11		30	74			30	74
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 10517
I.

1051
10517
DST#1





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 10517

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

Elevation _____ Formation Mississippi Eff. Pay _____ Ft.

District Pratt Date 5-16-81 Customer Order No. _____

COMPANY NAME Brunson + Spines

ADDRESS 525 Fourth Financial Wichita, Ks. Wichita, Ks 67202

LEASE AND WELL NO. Miller #1 COUNTY PRATT STATE Ks. Sec. 13 Twp 28s Rge 15w

Mail Invoice To #1 H. Miller Co. Name Same Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4514 ft. to 4550 ft. Total Depth 4550 ft.

Packer Depth 4509 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4514 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4543 ft. Recorder Number 1057 Cap. 4250

Bottom Recorder Depth (Outside) 4546 ft. Recorder Number 13267 Cap. 4050

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

Drilling Contractor Red Tiger #1 Drill Collar Length _____ I. D. _____ in.

Mud Type Premix Viscosity 52 Weight Pipe Length 1082 I. D. 2.76 in.

Weight 9.2 Water Loss 15.8 cc. Drill Pipe Length 3409 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 23 ft. Tool Size 3 1/2 in.

Jars: Make No Serial Number _____ Anchor Length 36 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 X 1 1/2 in.

Blow: Wear Blow Died in 12 min. No flow period. No Blow FFP. final flow period.

Recovered 15 ft. of Drilling Mud.

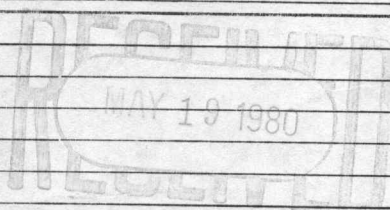
Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: did Tool Final 5 FT. TO BOTTOM.



Time On Location 9:00 P.M. Time Pick Up Tool 10:30 P.M. Time Off Location _____ P.M.

Time Set Packer(s) 1:00 A.M. Time Started Off Bottom 3:00 A.M. Maximum Temperature 124°

Initial Hydrostatic Pressure (A) 2198 P.S.I.

Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 54 P.S.I.

Initial Closed In Period Minutes 30 (D) 63 P.S.I.

Final Flow Period Minutes 30 (E) 54 P.S.I. to (F) 54 P.S.I.

Final Closed In Period Minutes 30 (G) 63 P.S.I.

Final Hydrostatic Pressure (H) 2166 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 [Signature] Thank You!!

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$700.00, Safety Joint \$65.00, Mileage 14 \$10.50, TOTAL \$775.50.

WESTERN TESTING CO., INC.
Pressure Data

Date 5-16

Test Ticket No. 10517

Recorder No. 1051

Capacity 4250

Location 4543 Ft.

Clock No. _____ Elevation _____

Well Temperature 124 °F

Point	Pressure	P.S.I.
A Initial Hydrostatic Mud	<u>2204</u>	P.S.I.
B First Initial Flow Pressure	<u>102</u>	P.S.I.
C First Final Flow Pressure	<u>70</u>	P.S.I.
D Initial Closed-in Pressure	<u>74</u>	P.S.I.
E Second Initial Flow Pressure	<u>74</u>	P.S.I.
F Second Final Flow Pressure	<u>77</u>	P.S.I.
G Final Closed-in Pressure	<u>74</u>	P.S.I.
H Final Hydrostatic Mud	<u>2166</u>	P.S.I.

	Time Given	Time Computed
Open Tool	<u>1:00 A</u>	M
First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	of:	Breakdown:	of:	Breakdown:	of:	Breakdown:	of:
	<u>6</u> Inc.	<u>5</u> mins. and a final inc. of <u>0</u> Min.	<u>10</u> Inc.	<u>3</u> mins. and a final inc. of <u>0</u> Min.	<u>6</u> Inc.	<u>5</u> mins. and a final inc. of <u>0</u> Min.	<u>10</u> Inc.	<u>3</u> mins. and a final inc. of <u>0</u> Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>102</u>	0	<u>70</u>	0	<u>74</u>	0	<u>77</u>	
P 2	<u>94</u>	3	<u>70</u>	3	<u>73</u>	3		
P 3	<u>88</u>	6	<u>70</u>	6	<u>72</u>	6		
P 4	<u>83</u>	9	<u>71</u>	9	<u>71</u>	9		
P 5	<u>76</u>	12	<u>72</u>	12	<u>73</u>	12		
P 6	<u>70</u>	15	<u>73</u>	15	<u>75</u>	15	<u>77</u>	
P 7	<u>70</u>	18		18	<u>77</u>	18	<u>76</u>	
P 8		21		21		21	<u>76</u>	
P 9		24		24		24	<u>75</u>	
P10		27	<u>73</u>	27		27	<u>75</u>	
P11		30	<u>74</u>	30		30	<u>74</u>	
P12		33		33		33		
P13		36		36		36		
P14		39		39		39		
P15		42		42		42		
P16		45		45		45		
P17		48		48		48		
P18		51		51		51		
P19		54		54		54		
P20		57		57		57		
		60		60		60		