WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 8527

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

Elevation 1490 K.B. (Kelly Bushing) Formation Cherokee Sd Eff. Pay ____ Ft.

District Pratt Date 10-25 Customer Order No. ____

COMPANY NAME K.B.W Oil + Gas

ADDRESS 3632 N.W. 51st St. Suite 205 OK. City OK

LEASE AND WELL NO. Sterling #1 COUNTY Barber STATE KS Sec. 26 Twp. 34s Rge. 13w

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

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 4796 ft. to 4840 ft. Total Depth 4840 ft.

Packer Depth 4791 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4796 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4799 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4833 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Sweetman Rig #1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 46 Weight Pipe Length — I. D. — in.

Weight 9.0 Water Loss 10.2 cc. Drill Pipe Length 4527 I. D. 3.8 in.

Chlorides — P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 405 Anchor Length 44 ft. Size 5 1/2 OD 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 FH in.

Blow: Fair to Building to Strong - Strong throughout final flow period (initial flow period)

Recovered 65 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

Time On Location 5:00 P.M. Time Pick Up Tool 6:00 P.M. Time Off Location 3:00 A.M.

Time Set Packer(s) 7:37 P.M. Time Started Off Bottom 11:22 P.M. Maximum Temperature 128

Initial Hydrostatic Pressure			(A)	2502	P.S.I.	
Initial Flow Period	Minutes	30	(B)	40	P.S.I. to (C)	40 P.S.I.
Initial Closed In Period	Minutes	45	(D)	218	P.S.I.	
Final Flow Period	Minutes	60	(E)	54	P.S.I. to (F)	54 P.S.I.
Final Closed In Period	Minutes	90	(G)	368	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 Gordon W. Keen
Signature of Customer or his authorized representative

Western Representative Jeff Piotrowski

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ ____
Straddle Test	$ ____
Jars	$ 300.00
Selective Zone	$ ____
Safety Joint	$ 50.00
Standby	$ ____
Evaluation	$ ____
Extra Packer	$ ____
Circ. Sub.	$ ____
Mileage 60	$ 45.00
Fluid Sampler	$ ____
Extra Charts	$ ____
Insurance	$ ____
TOTAL	$ 995.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-25-80 Test Ticket No. 8527

Recorder No. 5673 Capacity 5400 Location 4799 Ft.

Clock No. — Elevation 1490 KB Well Temperature 128 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2487 P.S.I.	Open Tool		7:37 M	
B	First Initial Flow Pressure	35 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure		45 Mins.	42 Mins.
D	Initial Closed-in Pressure	220 P.S.I.	Second Flow Pressure		60 Mins.	60 Mins.
E	Second Initial Flow Pressure	41 P.S.I.	Final Closed-in Pressure		90 Mins.	84 Mins.
F	Second Final Flow Pressure	55 P.S.I.				
G	Final Closed-in Pressure	362 P.S.I.				
H	Final Hydrostatic Mud	2433 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	35
P 2 5	35
P 3 10	36
P 4 15	36
P 5 20	37
P 6 25	38
P 7 30	38
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
3	55
6	66
9	78
12	92
15	107
18	115
21	137
24	150
27	161
30	175
33	188
36	201
39	212
42	220
45	
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	41
5	41
10	41
15	42
20	44
25	46
30	48
35	50
40	51
45	52
50	53
55	54
60	55
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 28 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	55
3	74
6	85
9	96
12	107
15	117
18	126
21	137
24	148
27	160
30	172
33	183
36	194
39	203
42	213
45	224
48	232
51	246
54	257
57	268
60	279

Cont

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WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 8527

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		63				63	289
P 2		66				66	300
P 3		69				69	309
P 4		72				72	320
P 5		75				75	333
P 6		78				78	343
P 7		81				81	355
P 8		84				84	362
P 9		87				87	
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	

WTC - 4

Company K.W.B. Oil & Gas Company — Lease & Well No. Sterling #1

Elevation 1490 Kelly Bushing — Formation Cherokee Sand — Effective Pay - Ft. — Ticket No. 8527

Date 10/25/80 — Sec. 26 — Twp. 34S — Range 13W — County Barber — State Kansas

Test Approved by Gordon W. Keen — Western Representative Jeff Piotrowski

Formation Test No. 1 — Interval Tested from 4796 ft. to 4840 ft. — Total Depth 4840 ft.

Packer Depth 4991 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4796 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4799 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 4837 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Sweetman Drilling Rig #1 — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type starch — Viscosity 46 — Weight Pipe Length - — I. D. - in.

Weight 9.0 — Water Loss 10.2 cc. — Drill Pipe Length 4527 — I. D. 3.8 in.

Chlorides - P.P.M. — Test Tool Length 29 ft. — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 405 — Anchor Length 44 ft. — Size 5½OD 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 4½FH in.

Blow: Fair blow building to strong initial flow period. Strong throughout final flow period.

Recovered 65 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:37 ~~A.M.~~ P.M. — Time Started Off Bottom 11:22 ~~A.M.~~ P.M. — Maximum Temperature 128°

Initial Hydrostatic Pressure			(A)	2487	P.S.I.	
Initial Flow Period	Minutes	30	(B)	35	P.S.I. to (C)	38 P.S.I.
Initial Closed In Period	Minutes	42	(D)	220	P.S.I.	
Final Flow Period	Minutes	60	(E)	41	P.S.I. to (F)	55 P.S.I.
Final Closed In Period	Minutes	84	(G)	362	P.S.I.	
Final Hydrostatic Pressure			(H)	2433	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 10/25/80 Test Ticket No. 8527

Recorder No. 5673 Capacity 5400 Location 4799 Ft.

Clock No. --- Elevation 1490 Kelly Bushing Well Temperature 128 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2487 P.S.I.	Open Tool	7:37 M	
B	First Initial Flow Pressure	35 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	220 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	41 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F	Second Final Flow Pressure	55 P.S.I.			
G	Final Closed-in Pressure	362 P.S.I.			
H	Final Hydrostatic Mud	2433 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	35
P 2 5	35
P 3 10	36
P 4 15	36
P 5 20	37
P 6 25	38
P 7 30	38
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	38
3	55
6	66
9	78
12	92
15	107
18	115
21	137
24	150
27	161
30	175
33	188
36	201
39	212
42	220
45	

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

Point Minutes	Press.
0	41
5	41
10	41
15	41
20	44
25	46
30	48
35	50
40	51
45	52
50	53
55	54
60	55

Final Shut-In
Breakdown: 28 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	55
3	74
6	85
9	96
12	107
15	117
18	126
21	137
24	148
27	160
30	172
33	183
36	194
39	203
42	213
45	224
48	232
51	246
54	257
57	268
60	279

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 10/25/80 Test Ticket No. 8527

Recorder No. 5673 Capacity 5400 Location 4799 Ft.

Clock No. --- Elevation 1490 Kelly Bushing Well Temperature 128 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2487 P.S.I.	Open Tool	7:37 M	
B	First Initial Flow Pressure	35 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	220 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	41 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F	Second Final Flow Pressure	55 P.S.I.			
G	Final Closed-in Pressure	362 P.S.I.			
H	Final Hydrostatic Mud	2433 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: 14 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: 28 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	289
P 2						66	300
P 3						69	309
P 4						72	320
P 5						75	333
P 6						78	343
P 7						81	355
P 8						84	362
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

5673
DST #1

IRT #8527

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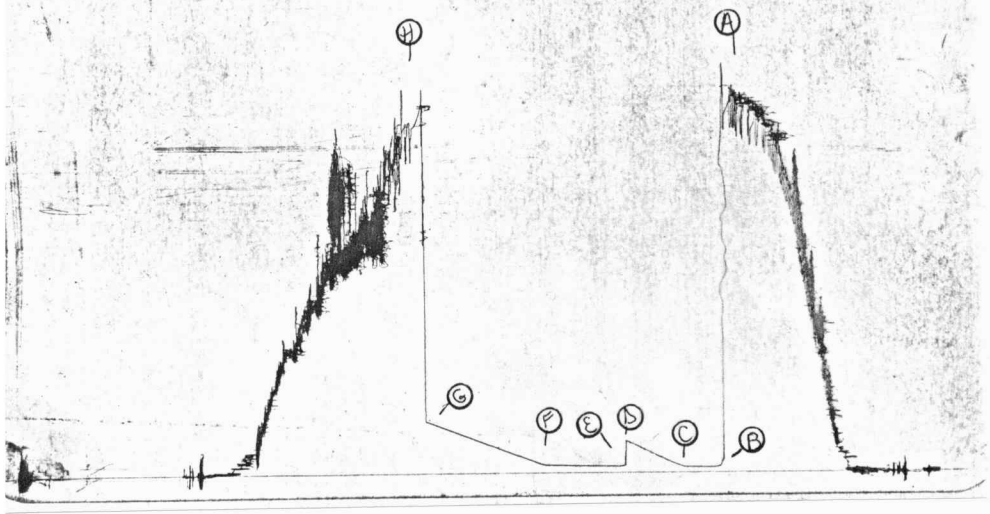

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 8528

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

Elevation 1490 KB (Kelly Bushing) Formation Mississippi Eff. Pay ____ Ft.

District Pratt Date 10-26-80 Customer Order No. ____

COMPANY NAME K.B.W. Oil & Gas

ADDRESS 3632 N.W. 51st St. Suite 205 OK. City, OK

LEASE AND WELL NO. Sterling #1 COUNTY Barber STATE KS Sec 26 Twp 34S Rge 13W

Mail Invoice To Same (Co. Name) Address ____ No. Copies Requested Reg

Mail Charts To Same Address ____ No. Copies Requested Reg

Formation Test No. 2 Interval Tested from 4904 ft. to 4925 ft. Total Depth 4925 ft.

Packer Depth 4899 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4904 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4909 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4921 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Sweetman #1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 46 Weight Pipe Length ____ I. D. ____ in.

Weight 9.0 Water Loss 10.2 cc. Drill Pipe Length 4635 I. D. 3.8 in.

Chlorides ____ P.P.M. Test Tool Length 29 ft. Tool Size 5½ OD in.

Jars: Make WTC Serial Number 405 Anchor Length 21 3/4 ft. Size 5½ OD 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 4½ FH in.

Blow: Strong through Both flow periods - GTS 30 min. into final flow - TSTM. To small to measure

Recovered 65 ft. of Gas Cut Mud

Recovered 120 ft. of Watery Mud

Recovered 180 ft. of Water

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

Time On Location 1:30 A.M. Time Pick Up Tool 2:30 A.M. Time Off Location 11:30 A.M.

Time Set Packer(s) 4:26 P.M. Time Started Off Bottom 8:11 P.M. Maximum Temperature 128

Initial Hydrostatic Pressure			(A)	2529	P.S.I.	
Initial Flow Period	Minutes	30	(B)	68	P.S.I. to (C)	109 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1037	P.S.I.	
Final Flow Period	Minutes	60	(E)	122	P.S.I. to (F)	177 P.S.I.
Final Closed In Period	Minutes	90	(G)	1065	P.S.I.	
Final Hydrostatic Pressure			(H)	2489	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 Gordon W. Kerr
Signature of Customer or his authorized representative

Western Representative Jeff Piotrowski

Thank you

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ ____
Straddle Test	$ ____
Jars	$ 300.00
Selective Zone	$ ____
Safety Joint	$ 150.00
Standby	$ ____
Evaluation	$ ____
Extra Packer	$ ____
Circ. Sub.	$ ____
Mileage 60	$ 45.00
Fluid Sampler	$ ____
Extra Charts	$ ____
Insurance	$ ____
TOTAL	$ 995.00

WESTERN TESTING CO., INC.
Pressure Data

Date 10-26-80 Test Ticket No. 8528

Recorder No. 5673 Capacity 5400 Location 4909 Ft.

Clock No. ——— Elevation 1490 KB Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2559	P.S.I.	Open Tool 4:26 P M	
B First Initial Flow Pressure	65	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	115	P.S.I.	Initial Closed-in Pressure 45 Mins.	42 Mins.
D Initial Closed-in Pressure	1043	P.S.I.	Second Flow Pressure 60 Mins.	55 Mins.
E Second Initial Flow Pressure	120	P.S.I.	Final Closed-in Pressure 90 Mins.	87 Mins.
F Second Final Flow Pressure	171	P.S.I.		
G Final Closed-in Pressure	1073	P.S.I.		
H Final Hydrostatic Mud	2502	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	65
P 2 5	71
P 3 10	85
P 4 15	96
P 5 20	104
P 6 25	113
P 7 30	115
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	115
3	369
6	552
9	669
12	768
15	831
18	883
21	921
24	953
27	975
30	997
33	1008
36	1023
39	1033
42	1043
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	120
5	128
10	134
15	142
20	150
25	156
30	156
35	162
40	168
45	169
50	170
55	171
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 29 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	171
3	478
6	628
9	716
12	776
15	817
18	850
21	880
24	904
27	924
30	945
33	962
36	975
39	985
42	995
45	1005
48	1010
51	1024
54	1032
57	1034
60	1035

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cont

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 8528

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		63				63	1040
P 2		66				66	1046
P 3		69				69	1051
P 4		72				72	1054
P 5		75				75	1059
P 6		78				78	1065
P 7		81				81	1069
P 8		84				84	1073
P 9		87				87	1073
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 K.W.B. Oil & Gas Company — Lease & Well No. Sterling #1

Elevation 1490 Kelly Bushing — Formation Mississippi — Effective Pay - Ft. — Ticket No. 8528

Date 10/26/80 — Sec. 26 — Twp. 34S — Range 13W — County Barber — State Kansas

Test Approved by Gordon W. Keen — Western Representative Jeff Piotrowski

Formation Test No. 2 — Interval Tested from 4904 ft. to 4925 ft. — Total Depth 4925 ft.

Packer Depth 4899 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4904 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4909 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 4921 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Sweetman Drilling Rig #1 — Drill Collar Length 240 — I. D. 2.2 in.

Mud Type starch — Viscosity 46 — Weight Pipe Length - — I. D. - in.

Weight 9.0 — Water Loss 10.2 cc. — Drill Pipe Length 4635 — I. D. 3.8 in.

Chlorides - P.P.M. — Test Tool Length 29 ft. — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 405 — Anchor Length 21 ft. — Size 5½OD 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 4½FH in.

Blow: Strong through both flow periods. Gas to surface thirty minutes into final flow--too small to measure.

Recovered 65 ft. of gas cut mud

Recovered 120 ft. of watery mud

Recovered 180 ft. of water

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:26 ~~A.M.~~ P.M. — Time Started Off Bottom 8:11 ~~A.M.~~ P.M. — Maximum Temperature 128°

Initial Hydrostatic Pressure		(A) 2559 P.S.I.		
Initial Flow Period	Minutes 30	(B) 65 P.S.I.	to (C) 115 P.S.I.	
Initial Closed In Period	Minutes 42	(D) 1043 P.S.I.		
Final Flow Period	Minutes 55	(E) 120 P.S.I.	to (F) 171 P.S.I.	
Final Closed In Period	Minutes 87	(G) 1073 P.S.I.		
Final Hydrostatic Pressure		(H) 2502 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 10/26/80 Test Ticket No. 8528

Recorder No. 5673 Capacity 5400 Location 4909 Ft.

Clock No. --- Elevation 1490 Kelly Bushing Well Temperature 128 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2559	P.S.I.
B	First Initial Flow Pressure	65	P.S.I.
C	First Final Flow Pressure	115	P.S.I.
D	Initial Closed-in Pressure	1043	P.S.I.
E	Second Initial Flow Pressure	120	P.S.I.
F	Second Final Flow Pressure	171	P.S.I.
G	Final Closed-in Pressure	1073	P.S.I.
H	Final Hydrostatic Mud	2502	P.S.I.

	Time Given	Time Computed
Open Tool	4:26P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	42 Mins.
Second Flow Pressure	60 Mins.	55 Mins.
Final Closed-in Pressure	90 Mins.	87 Mins.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 14 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: 29 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	65	0	115	0	120	0	171
P 2 5	71	3	369	5	128	3	478
P 3 10	85	6	552	10	134	6	628
P 4 15	96	9	669	15	142	9	716
P 5 20	104	12	768	20	150	12	776
P 6 25	113	15	831	25	156	15	817
P 7 30	115	18	883	30	156	18	850
P 8		21	921	35	162	21	880
P 9		24	953	40	168	24	904
P10		27	975	45	169	27	926
P11		30	997	50	170	30	945
P12		33	1008	55	171	33	962
P13		36	1023	60		36	975
P14		39	1033			39	985
P15		42	1043			42	995
P16		45				45	1005
P17						48	1010
P18						51	1025
P19						54	1032
P20						57	1034
						60	1035

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 10/26/80 Test Ticket No. 8528

Recorder No. 5673 Capacity 5400 Location 4909 Ft.

Clock No. --- Elevation 1490 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2559 P.S.I.	Open Tool	4:26P M	
B First Initial Flow Pressure	65 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	115 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D Initial Closed-in Pressure	1043 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	171 P.S.I.			
G Final Closed-in Pressure	1073 P.S.I.			
H Final Hydrostatic Mud	2502 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: 14 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: 29 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	1040
P 2						66	1046
P 3						69	1051
P 4						72	1054
P 5						75	1059
P 6						78	1065
P 7						81	1069
P 8						84	1073
P 9						87	1073
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

5673.
DST #2

IKT #8528
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