WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 13803

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

Elevation 1613 KB Formation Miss Eff. Pay Ft.

District Pratt Date 10-3-81 Customer Order No.

COMPANY NAME Pickrell ~~Drlg~~ Drilling Company
ADDRESS Wichita KS Fitzwh Bldg. Suite 205. Wichita Ks 67202

LEASE AND WELL NO. Kaufgiesser #1-A COUNTY Kingman STATE KS Sec. 12 Twp 30 Rge 7W

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 4203 ft. to 4270 ft. Total Depth 4270 ft.

Packer Depth 4198 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4203 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4206 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4209 ft. Recorder Number 1565 Cap. 4900

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co Tools #10 Drill Collar Length — I. D. — in.

Mud Type Gel Viscosity 44 Weight Pipe Length 510 I. D. 3.2 in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 3663 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make — Serial Number — Anchor Length ~~31~~ 30 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 XH in.

Blow: Strong blow ~~Both flow periods~~ throughout test.

Recovered 60 ft. of Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED
OCT 6 1980

Time On Location 1:00 A.M. Time Pick Up Tool 1:30 P.M. Time Off Location 10:00 A.M.

Time Set Packer(s) 3:25 A.M. Time Started Off Bottom 7:25 P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure			(A) 2095	P.S.I.		
Initial Flow Period	Minutes 30	(B) 40	P.S.I. to	(C) 40	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 68	P.S.I.			
Final Flow Period	Minutes 60	(E) 40	P.S.I. to	(F) 40	P.S.I.	
Final Closed In Period	Minutes 90	(G) 136	P.S.I.			
Final Hydrostatic Pressure		(H) 2027	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 Fund
Signature of Customer or his authorized representative

Western Representative W. Putnam

Thank you

FIELD INVOICE

Open Hole Test	$ 700.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage 4/6	$ 300.00
Fluid Sampler	$
Extra Charts	$
Insurance	$
TOTAL	$ 1000

WESTERN TESTING CO., INC.
Pressure Data

Date 10-3 Test Ticket No. 13803

Recorder No. 5673 Capacity 5400 Location 4206 Ft.

Clock No. — — — — Elevation 1613 KB Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2095	P.S.I.
B	First Initial Flow Pressure	27	P.S.I.
C	First Final Flow Pressure	30	P.S.I.
D	Initial Closed-in Pressure	68	P.S.I.
E	Second Initial Flow Pressure	38	P.S.I.
F	Second Final Flow Pressure	38	P.S.I.
G	Final Closed-in Pressure	139	P.S.I.
H	Final Hydrostatic Mud	2049	P.S.I.

	Time Given	Time Computed
Open Tool	3:25 AM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	90 Mins.	90 Mins.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	27
P 2	5	
P 3	10	
P 4	15	27
P 5	20	28
P 6	25	29
P 7	30	30
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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Minutes	Press.
0	30
3	32
6	36
9	40
12	41
15	42
18	43
21	44
24	44
27	45
30	45
33	
36	
39	
42	45
45	46
48	51
51	57
54	63
57	66
60	68

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

Minutes	Press.
0	38
5	
10	
15	
20	
25	
30	
35	
40	
45	
50	
55	
60	38
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 39 Inc.
of 3 mins. and a
final inc. of 0 Min.

Minutes	Press.
0	38
3	41
6	46
9	49
12	55
15	59
18	63
21	66
24	70
27	74
30	78
33	82
36	86
39	90
42	96
45	100
48	106
51	108
54	112
57	114
60	117

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cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 13803

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	123
P 2		66				66	126
P 3		69				69	128
P 4		72				72	130
P 5		75				75	132
P 6		78				78	134
P 7		81				81	136
P 8		84				84	137
P 9		87				87	138
P10		90				90	139
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	

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TKT #13803

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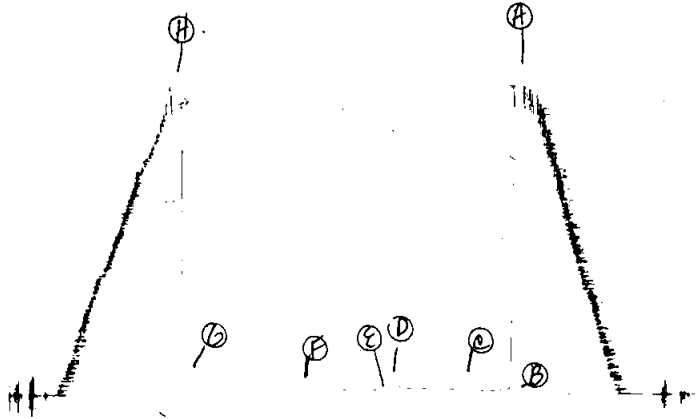

Company Pickrell Drilling Company — Lease & Well No. Kanngiesser #1-A

Elevation 1613 Kelly Bushing — Formation Mississippi — Effective Pay - Ft. — Ticket No. 13803

Date 10/3/81 — Sec. 12 — Twp. 30S — Range 7W — County Kingman — State Kansas

Test Approved by Thomas Funk — Western Representative Jeff Piotrowski

Formation Test No. 1 — Interval Tested from 4203 ft. to 4270 ft. — Total Depth 4270 ft.

Packer Depth 4198 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4203 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4206 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 4209 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Pickrell Drilling Rig #10 — Drill Collar Length - — I. D. - in.

Mud Type Gel — Viscosity 44 — Weight Pipe Length 510 — I. D. 3.2 in.

Weight 9.2 — Water Loss 10.8 cc. — Drill Pipe Length 3663 — I. D. 3.8 in.

Chlorides 14,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 67 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 4½XH in.

Blow: Strong blow throughout test.

Recovered 60 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:25 A.M. P.M. — Time Started Off Bottom 7:25 A.M. P.M. — Maximum Temperature 124

Initial Hydrostatic Pressure			(A)	2095	P.S.I.	
Initial Flow Period	Minutes 30	(B)	27	P.S.I. to (C)	30	P.S.I.
Initial Closed In Period	Minutes 60	(D)	68	P.S.I.		
Final Flow Period	Minutes 60	(E)	38	P.S.I. to (F)	38	P.S.I.
Final Closed In-Period	Minutes 90	(G)	139	P.S.I.		
Final Hydrostatic Pressure			(H)	2049	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 10/3/81 Test Ticket No. 13803

Recorder No. 5673 Capacity 5400 Location 4206 Ft.

Clock No. - Elevation 1613 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2095 P.S.I.	Open Tool	3:25A M.	
B First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	68 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	38 P.S.I.			
G Final Closed-in Pressure	139 P.S.I.			
H Final Hydrostatic Mud	2049 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	27
P 2 5	27
P 3 10	27
P 4 15	27
P 5 20	28
P 6 25	29
P 7 30	30
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	30
3	32
6	36
9	40
12	41
15	42
18	43
21	44
24	44
27	45
30	45
33	45
36	45
39	45
42	45
45	46
48	51
51	57
54	63
57	66
60	68

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

Point Minutes	Press.
0	38
5	38
10	38
15	38
20	38
25	38
30	38
35	38
40	38
45	38
50	38
55	38
60	38

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
3	41
6	46
9	49
12	55
15	59
18	63
21	66
24	70
27	74
30	78
33	82
36	86
39	90
42	96
45	100
48	106
51	108
54	112
57	114
60	117

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 10/3/81 Test Ticket No. 13803

Recorder No. 5673 Capacity 5400 Location 4206 Ft.

Clock No. - Elevation 1613 Kelly Bushing Well Temperature 124 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	2095 P.S.I.	Open Tool	3:25A	M		
B	First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	68 P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure	90	Mins.	90	Mins.
F	Second Final Flow Pressure	38 P.S.I.					
G	Final Closed-in Pressure	139 P.S.I.					
H	Final Hydrostatic Mud	2049 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: 12 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	123
P 2						66	126
P 3						69	128
P 4						72	130
P 5						75	132
P 6						78	134
P 7						81	136
P 8						84	137
P 9						87	138
P10						90	139
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 13804

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

Elevation ____ Formation Miss ____ Eff. Pay ____ Ft.

District Pratt Date 10-3-81 Customer Order No. ____

COMPANY NAME Pickrell ~~Drlg~~ Drilling Company

ADDRESS Wichita KS Petroleum Bldg. Suite 205 Wichita Ks. 67202

LEASE AND WELL NO. Kaungiesser 1-A COUNTY Kingman STATE KS Sec. 18 Twp 30S Rge 9W

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 4270 ft. to 4288 ft. Total Depth 4288 ft.

Packer Depth 4265 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4270 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4273 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4276 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Co Tools #10 Drill Collar Length — I. D. — in.

Mud Type Gel Viscosity 43 Weight Pipe Length 510 I. D. 3.2 in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 3740 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 30 ft. Tool Size 5½ OD in.

Jars: Make — Serial Number — Anchor Length 18 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 XH in.

Blow: Weak Building to Fair in I.F.P. Fair thru F.F.P.

Recovered 45 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

RECEIVED OCT 6 1980

Time On Location 5:00 A.M./P.M. Time Pick Up Tool 6:00 A.M./P.M. Time Off Location 3:30 A.M./P.M.

Time Set Packer(s) 8:40 A.M./P.M. Time Started Off Bottom 12:40 A.M./P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2095	P.S.I.	
Initial Flow Period	Minutes	30	(B)	27	P.S.I. to (C)	27 P.S.I.
Initial Closed In Period	Minutes	60	(D)	177	P.S.I.	
Final Flow Period	Minutes	60	(E)	40	P.S.I. to (F)	40 P.S.I.
Final Closed In Period	Minutes	90	(G)	177	P.S.I.	
Final Hydrostatic Pressure			(H)	2067	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 Jeff Pistorius

Thank You

FIELD INVOICE

Open Hole Test	$ 200.00
Misrun	$ ____
Straddle Test	$ ____
Jars	$ ____
Selective Zone	$ ____
Safety Joint	$ ____
Standby	$ ____
Evaluation	$ ____
Extra Packer	$ ____
Circ. Sub.	$ ____
Mileage 40	$ 30.00
Fluid Sampler	$ ____
Extra Charts	$ ____
Insurance	$ ____
TOTAL	$ 230.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-3 Test Ticket No. 13804

Recorder No. 5673 Capacity 5400 Location 4273 Ft.

Clock No. — — — — Elevation — Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2109 P.S.I.		Open Tool	8:40 PM	
B	First Initial Flow Pressure	27 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	29 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	175 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	36 P.S.I.		Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	38 P.S.I.				
G	Final Closed-in Pressure	186 P.S.I.				
H	Final Hydrostatic Mud	2054 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	27
P 2 5	
P 3 10	
P 4 15	
P 5 20	27
P 6 25	28
P 7 30	29
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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	29
3	32
6	37
9	44
12	49
15	52
18	55
21	59
24	68
27	79
30	87
33	98
36	109
39	116
42	126
45	134
48	147
51	155
54	164
57	172
60	175

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

Point Minutes	Press.
0	36
5	
10	
15	
20	36
25	37
30	37
35	38
40	38
45	38
50	
55	
60	38
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	38
3	41
6	45
9	47
12	51
15	54
18	59
21	63
24	68
27	73
30	76
33	78
36	82
39	87
42	93
45	100
48	107
51	112
54	117
57	126
60	131

Cont'd

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 13804

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	137
P 2		66				66	142
P 3		69				69	148
P 4		72				72	153
P 5		75				75	158
P 6		78				78	164
P 7		81				81	169
P 8		84				84	178
P 9		87				87	183
P10		90				90	186
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

TK #13804

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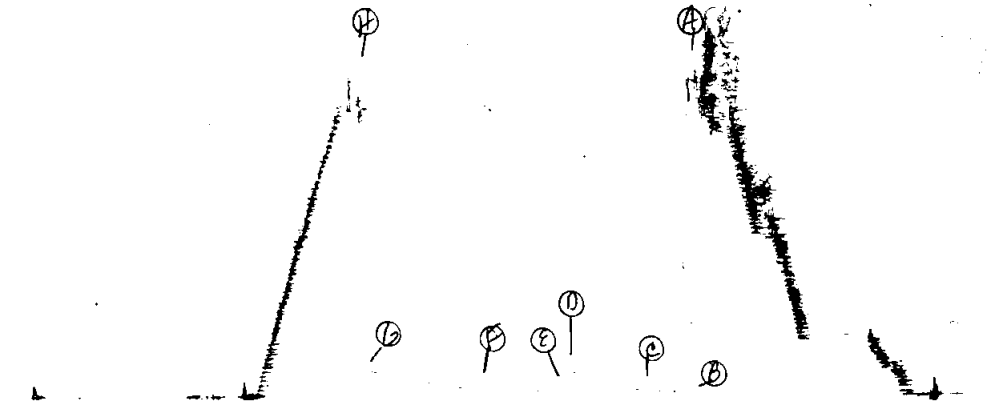

Company: Pickrell Drilling Company — Lease & Well No.: Kanngiesser #1-A

Elevation: 1613 Kelly Bushing — Formation: Mississippi — Effective Pay: - Ft. — Ticket No.: 13804

Date: 10/3/81 — Sec.: 12 — Twp.: 30S — Range: 7W — County: Kingman — State: Kansas

Test Approved by: Thomas Funk — Western Representative: Jeff Piotrowski

Formation Test No.: 2 — Interval Tested from: 4270 ft. to: 4288 ft. — Total Depth: 4288 ft.

Packer Depth: 4265 ft. — Size: 6 3/4 in. — Packer Depth: - ft. — Size: - in.

Packer Depth: 4270 ft. — Size: 6 3/4 in. — Packer Depth: - ft. — Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 4273 ft. — Recorder Number: 5673 — Cap.: 5400

Bottom Recorder Depth (Outside): 4276 ft. — Recorder Number: 1565 — Cap.: 4900

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

Drilling Contractor: Pickrell Drilling Rig #10 — Drill Collar Length: - — I. D.: - in.

Mud Type: Gel — Viscosity: 43 — Weight Pipe Length: 510 — I. D.: 3.2 in.

Weight: 9.2 — Water Loss: 10.8 cc. — Drill Pipe Length: 3740 — I. D.: 3.8 in.

Chlorides: 14,000 P.P.M. — Test Tool Length: 20 ft. — Tool Size: 5½ OD in.

Jars: Make: - — Serial Number: - — Anchor Length: 18 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 XH in.

Blow: Weak building to fair on initial flow period. Fair throughout final flow period.

Recovered: 45 ft. of: mud

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Remarks:

Time Set Packer(s): 8:40 ~~A.M.~~ P.M. — Time Started Off Bottom: 12:40 A.M. ~~P.M.~~ — Maximum Temperature: 124

Initial Hydrostatic Pressure			(A)	2109	P.S.I.	
Initial Flow Period	Minutes 30	(B)	27	P.S.I. to (C)	29	P.S.I.
Initial Closed In Period	Minutes 60	(D)	175	P.S.I.		
Final Flow Period	Minutes 60	(E)	36	P.S.I. to (F)	38	P.S.I.
Final Closed In Period	Minutes 90	(G)	186	P.S.I.		
Final Hydrostatic Pressure		(H)	2054	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 10/3/81 Test Ticket No. 13804

Recorder No. 5673 Capacity 5400 Location 4273 Ft.

Clock No. - Elevation - Well Temperature 124 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2109 P.S.I.	Open Tool	8:40P M	
B	First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	29 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	175 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	36 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	38 P.S.I.			
G	Final Closed-in Pressure	186 P.S.I.			
H	Final Hydrostatic Mud	2054 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	27
P 2 5	27
P 3 10	27
P 4 15	27
P 5 20	27
P 6 25	28
P 7 30	29
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	29
3	32
6	37
9	44
12	49
15	52
18	55
21	59
24	68
27	79
30	87
33	98
36	109
39	116
42	126
45	134
48	147
51	155
54	164
57	172
60	175

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

Point Minutes	Press.
0	36
5	36
10	36
15	36
20	36
25	37
30	37
35	38
40	38
45	38
50	38
55	38
60	38

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
3	41
6	45
9	47
12	51
15	54
18	59
21	63
24	68
27	73
30	76
33	78
36	82
39	87
42	93
45	100
48	107
51	112
54	117
57	126
60	131

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WESTERN TESTING CO., INC.
Pressure Data

Date 10/3/81 Test Ticket No. 13804

Recorder No. 5673 Capacity 5400 Location 4273 Ft.

Clock No. - Elevation - Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2109 P.S.I.	Open Tool	8:40P M.	
B First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	29 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	175 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	36 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	38 P.S.I.			
G Final Closed-in Pressure	186 P.S.I.			
H Final Hydrostatic Mud	2054 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: 12 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	137
P 2						66	142
P 3						69	148
P 4						72	153
P 5						75	158
P 6						78	164
P 7						81	169
P 8						84	178
P 9						87	183
P10						90	186
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							