Company Robert Docking — Lease & Well No. Meredith #1

Elevation 1174 Kelly Bushing — Formation Elgin Sd — Effective Pay - Ft. — Ticket No. 6791

Date 2/28/81 — Sec. 14 — Twp. 32S — Range 2E — County Sumner — State Kansas

Test Approved by Ray Goodin — Western Representative Kenny Kirkendall

Formation Test No. 1 — Interval Tested from 1805 ft. to 1831 ft. — Total Depth 1831 ft.

Packer Depth 1805 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 1800 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1834 ft. — Recorder Number 2605 — Cap. 4150

Bottom Recorder Depth (Outside) 1839 ft. — Recorder Number 1560 — Cap. 4500

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

Drilling Contractor White & Ellis Rig #3 — Drill Collar Length 180 — I. D. - in.

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

Weight - — Water Loss - cc. — Drill Pipe Length 1605 — I. D. - in.

Chlorides - P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 26 ft. — Size 5½ in.

Did Well Flow? - — Reversed Out - — 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: Very weak dead in 3 minutes. Flushed tool 10 minutes into initial flow period. Good Surge. Final flow period very weak - died in 2 minutes. Flushed Tool. Good surge.

Recovered 60 ft. of very slightly oil cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:40 ~~A.M.~~ P.M. — Time Started Off Bottom 3:40 A.M. P.M. — Maximum Temperature 88

Initial Hydrostatic Pressure			(A) 898	P.S.I.		
Initial Flow Period	Minutes 20	(B) 51	P.S.I. to	(C) 45	P.S.I.	
Initial Closed In Period	Minutes 21	(D) 577	P.S.I.			
Final Flow Period	Minutes 20	(E) 72	P.S.I. to	(F) 62	P.S.I.	
Final Closed In Period	Minutes -	(G) -	P.S.I.			
Final Hydrostatic Pressure			(H) 867	P.S.I.		

WTC-1

WESTERN TESTING CO., INC.

Pressure Data

Date 2/28/81 Test Ticket No. 6791

Recorder No. 2605 Capacity 4150 Location 1834 Ft.

Clock No. - Elevation 1174 Kelly Bushing Well Temperature 88 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	898 P.S.I.	Open Tool	2:40P M	
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	20 Mins.	20 Mins.
C First Final Flow Pressure	45 P.S.I.	Initial Closed-in Pressure	20 Mins.	21 Mins.
D Initial Closed-in Pressure	577 P.S.I.	Second Flow Pressure	20 Mins.	20 Mins.
E Second Initial Flow Pressure	72 P.S.I.	Final Closed-in Pressure	- Mins.	- Mins.
F Second Final Flow Pressure	62 P.S.I.			
G Final Closed-in Pressure	- P.S.I.			
H Final Hydrostatic Mud	867 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	51
P 2	5	42
P 3	10	Flushed Tool
P 4	15	46
P 5	20	45
P 6		
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 7 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	45
P 2	3	53
P 3	6	110
P 4	9	229
P 5	12	339
P 6	15	470
P 7	18	529
P 8	21	577
P 9	24	
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	72
P 2	5	58
P 3	10	Flushed Tool 68
P 4	15	63
P 5	20	62
P 6		
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

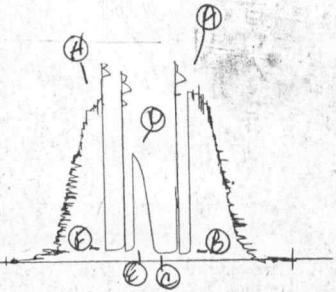
Final Shut-In
Breakdown: 0 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
P 1		
P 2		
P 3		
P 4		
P 5		
P 6		
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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JH #6791

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Company Robert Docking — Lease & Well No. Meredith #1

Elevation 1174 Kelly Bushing — Formation Stalnaker Sd — Effective Pay - Ft. — Ticket No. 6792

Date 3/1/81 — Sec. 14 — Twp. 32S — Range 2E — County Sumner — State Kansas

Test Approved by Ray Goodin — Western Representative Kenny Kirkendall

Formation Test No. 2 — Interval Tested from 2001 ft. to 2021 ft. — Total Depth 2021 ft.

Packer Depth 2001 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 1996 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2006 ft. — Recorder Number 2605 — Cap. 4150

Bottom Recorder Depth (Outside) 2011 ft. — Recorder Number 1560 — Cap. 4500

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

Drilling Contractor White & Ellis Rig #3 — Drill Collar Length 180 — I. D. - in.

Mud Type Chemical — Viscosity 41 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 12.8 cc. — Drill Pipe Length - — I. D. - in.

Chlorides 5800 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 20 ft. — Size 5½ in.

Did Well Flow? No — Reversed Out - — 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: Very weak died in 2 minutes initial flow period. Very weak died in 2 minutes final flow period.

Recovered 140 ft. of gas in pipe

Recovered 50 ft. of oil & gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:50 A.M. ~~P.M.~~ — Time Started Off Bottom 11:50 A.M. ~~P.M.~~ — Maximum Temperature 96

Initial Hydrostatic Pressure (A) 971 P.S.I.

Initial Flow Period Minutes 30 (B) 53 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period Minutes 30 (D) 430 P.S.I.

Final Flow Period Minutes 35 (E) 70 P.S.I. to (F) 52 P.S.I.

Final Closed In Period Minutes 30 (G) 152 P.S.I.

Final Hydrostatic Pressure (H) 971 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/1/81 Test Ticket No. 6792

Recorder No. 2605 Capacity 4150 Location 2006 Ft.

Clock No. - Elevation 1174 Kelly Bushing Well Temperature 96 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	971 P.S.I.	Open Tool	9:50 M	
B First Initial Flow Pressure	53 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	430 P.S.I.	Second Flow Pressure	30 Mins.	35 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	52 P.S.I.			
G Final Closed-in Pressure	152 P.S.I.			
H Final Hydrostatic Mud	971 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 7 Inc.		Breakdown: 10 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	53	0	41	0	70	0	52
P 2 5	46	3	42	5	58	3	53
P 3 10	42	6	46	10	53	6	56
P 4 15	41	9	57	15	53	9	62
P 5 20	41	12	72	20	53	12	69
P 6 25	41	15	108	25	53	15	79
P 7 30	41	18	167	30	52	18	90
P 8		21	233	35	52	21	103
P 9		24	296			24	116
P10		27	360			27	137
P11		30	430			30	152
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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JKt #6752

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