

Company Aylward Drilling Company Lease & Well No. Smith 'B' #5
Elevation -- Formation Mississippi Effective Pay - Ft. Ticket No. 11840
Date 9/2/81 Sec. 11 Twp. 32S Range 12W County Barber State Kansas
Test Approved by Frank Hamlin Western Representative Louis Spencer
Formation Test No. 1 Interval Tested from 4226 ft. to 4265 ft. Total Depth 4265 ft.
Packer Depth 4221 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4226 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4229 ft. Recorder Number 1560 Cap. 4500
Bottom Recorder Depth (Outside) 4232 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 113 I. D. 2.25 in.
Mud Type drispac Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 21.6 cc. Drill Pipe Length 4093 I. D. 3.8 in.
Chlorides 16,500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 39 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 3 1/2 in.

Blow: Good

Recovered 80 ft. of mud free oil on top of tool

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Tool out of sync. when reached bottom; believe the problem to be table not staying locked
on way down; tool would only rotate eleven times - needs sixteen.

Time Set Packer(s) 5:05 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:10 ~~P.M.~~ ^{A.M.} Maximum Temperature 114°
Initial Hydrostatic Pressure 2186 (A) - P.S.I.
Initial Flow Period -- Minutes (B) -- P.S.I. to (C) -- P.S.I.
Initial Closed In Period -- Minutes (D) -- P.S.I.
Final Flow Period 5 Minutes (E) 67 P.S.I. to (F) 67 P.S.I.
Final Closed In Period 72 Minutes (G) 1597 P.S.I.
Final Hydrostatic Pressure 2164 (H) - P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/2/81
 Recorder No. 1560 Capacity 4500 Test Ticket No. 11840
 Clock No. - Elevation -- Location 4229 Ft.
 Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2186	P.S.I.	5:05A	M
B First Initial Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
C First Final Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
D Initial Closed-in Pressure	--	P.S.I.	--	5 Mins. -- Mins.
E Second Initial Flow Pressure	67	P.S.I.	--	72 Mins. -- Mins.
F Second Final Flow Pressure	67	P.S.I.		
G Final Closed-in Pressure	1597	P.S.I.		
H Final Hydrostatic Mud	2164	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>1</u> Inc.		Breakdown: <u>23</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	67
P 2						3	308
P 3						6	577
P 4						9	878
P 5						12	1119
P 6						15	1315
P 7						18	1392
P 8						21	1450
P 9						24	1489
P10						27	1520
P11						30	1543
P12						33	1559
P13						36	1570
P14						39	1574
P15						42	1579
P16						45	1585
P17						48	1587
P18						51	1589
P19						54	1591
P20						57	1593
						60	1594

WESTERN TESTING CO., INC.

Pressure Data

Date 9/2/81

Recorder No. 1560 Capacity 4500 Test Ticket No. 11840

Clock No. - Elevation -- Location 4229 Ft.

Well Temperature 114 °F

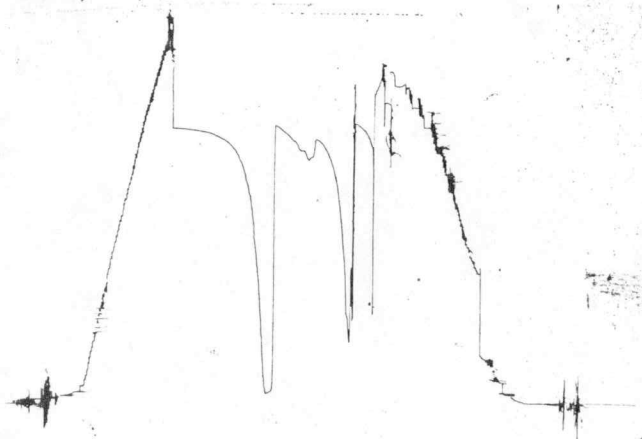
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2186</u> P.S.I.	<u>5:05A</u>	<u>M</u>
B First Initial Flow Pressure	<u>--</u> P.S.I.	<u>--</u>	<u>--</u> Mins.
C First Final Flow Pressure	<u>--</u> P.S.I.	<u>--</u>	<u>--</u> Mins.
D Initial Closed-in Pressure	<u>--</u> P.S.I.	<u>--</u>	<u>5</u> Mins.
E Second Initial Flow Pressure	<u>67</u> P.S.I.	<u>--</u>	<u>72</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.		
G Final Closed-in Pressure	<u>1597</u> P.S.I.		
H Final Hydrostatic Mud	<u>2164</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point	Breakdown:	Point	Breakdown:	Point	Breakdown:	Point	Breakdown:
Mins.	Inc.	Minutes	Inc.	Minutes	Inc.	Minutes	Inc.
P 1	0 Inc.	P 1	0 Inc.	P 1	1 Inc.	P 1	23 Inc.
P 2	5 mins. and a	P 2	3 mins. and a	P 2	5 mins. and a	P 2	3 mins. and a
P 3	final inc. of 0 Min.	P 3	final inc. of 0 Min.	P 3	final inc. of 0 Min.	P 3	final inc. of 0 Min.
P 4		P 4		P 4		P 4	
P 5		P 5		P 5		P 5	
P 6		P 6		P 6		P 6	
P 7		P 7		P 7		P 7	
P 8		P 8		P 8		P 8	
P 9		P 9		P 9		P 9	
P10		P10		P10		P10	
P11		P11		P11		P11	
P12		P12		P12		P12	
P13		P13		P13		P13	
P14		P14		P14		P14	
P15		P15		P15		P15	
P16		P16		P16		P16	
P17		P17		P17		P17	
P18		P18		P18		P18	
P19		P19		P19		P19	
P20		P20		P20		P20	

TK+ #11840

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1560

TK+ #11840

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