Company D. E. Kays | Lease & Well No. Heersche #1

Elevation 1235 Kelly Bushing | Formation Mississippi | Effective Pay -- Ft. | Ticket No. 1850

Date 2/5/79 | Sec. 25 | Twp. 29S | Range 1E | County Sedgwick | State Kansas

Test Approved by Don Pate | Western Representative Tim Wilson

Formation Test No. 1 | Interval Tested from 3106' ft. to 3134' ft. | Total Depth 3134' ft.

Packer Depth 3106 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth - ft. | Size - in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3109 ft. | Recorder Number 1559 | Cap. 4200

Bottom Recorder Depth (Outside) 3112 ft. | Recorder Number 1558 | Cap. 4200

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

Drilling Contractor White & Ellis #4 | Drill Collar Length 120 | I. D. 2¼ in.

Mud Type chemical | Viscosity 45 | Weight Pipe Length - | I. D. - in.

Weight 9.5 | Water Loss 8.8 cc. | Drill Pipe Length 2972 | I. D. 3.8 in.

Chlorides 3,000 P.P.M. | Test Tool Length 42' | Tool Size 5½ in.

Jars: Make -- | Serial Number -- | Anchor Length 28' ft. | Size 5½ 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: Very weak increasing to fair.

Recovered 30 ft. of very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:43 A.M. P.M. | Time Started Off Bottom 8:30 A.M. P.M. | Maximum Temperature 105

Initial Hydrostatic Pressure			(A) 1567	P.S.I.		
Initial Flow Period	Minutes 30	(B) 31	P.S.I. to	(C) 9	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 63	P.S.I.			
Final Flow Period	Minutes 60	(E) 36	P.S.I. to	(F) 17	P.S.I.	
Final Closed In Period	Minutes 45	(G) 94	P.S.I.			
Final Hydrostatic Pressure			(H) 1561	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 2/5/79 Test Ticket No. 1850

Recorder No. 1559 Capacity 4200 Location 3109 Ft.

Clock No. -- Elevation 1235 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1567	P.S.I.	Open Tool 5:43A M	
B First Initial Flow Pressure	31	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	9	P.S.I.	Initial Closed-in Pressure 30 Mins.	27 Mins.
D Initial Closed-in Pressure	63	P.S.I.	Second Flow Pressure 60 Mins.	60 Mins.
E Second Initial Flow Pressure	36	P.S.I.	Final Closed-in Pressure 45 Mins.	42 Mins.
F Second Final Flow Pressure	17	P.S.I.		
G Final Closed-in Pressure	94	P.S.I.		
H Final Hydrostatic Mud	1561	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	31
P 2 5	19
P 3 10	15
P 4 15	10
P 5 20	8
P 6 25	9
P 7 30	9
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	9
3	10
6	13
9	15
12	19
15	27
18	33
21	44
24	52
27	63

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

Point Minutes	Press.
0	36
5	29
10	23
15	19
20	18
25	17
30	17
35	17
40	17
45	17
50	17
55	17
60	17

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

Point Minutes	Press.
0	17
3	18
6	21
9	27
12	31
15	38
18	42
21	48
24	52
27	61
30	67
33	75
36	79
39	86
42	94

TKt # 1850
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