

15-191-19032-0001

4W-03

Simpson Test

36-30s-2w



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Bates Unit 4W-03

Company Seaboard Drig. Co. Lease & Well No. Bates Unit # 1

Elevation 1321 Kelly Bushings Formation Simpson Effective Pay ----- Ft. Ticket No. 7084

Date 9-25-67 Sec. 34 Twp. 30s Range 2w County Sumner State Kansas

Test Approved by Fred W. Stamp Western Representative Norman Allen

Formation Test No. 1 O.K. X Misrun ----- Interval Tested From 4201' to 4223' Total Depth 4223'

Size Main Hole 7 7/8 Rat Hole ----- Conv. ----- B.T. ----- Damaged ----- Yes ----- No ----- Conv. X B.T. ----- Damaged ----- Yes X No -----

Packer Depth ----- Ft. Size ----- Packer Depth 4201 Ft. Size 8 3/4

Trundle ----- Yes X No ----- Conv. ----- B.T. ----- Damaged ----- Yes ----- No -----

Packer Depth ----- Ft. Size -----

Tool Size 54" 00 Tool Jt. Size 4 1/2" IF Anchor Length 22 Ft. Size 54" 00

RECORDERS Depth 4215 Ft. Clock No. 6251 Depth 4218 Ft. Clock No. 6299

Top Make Kuster Cap 3150 No. 1560 Inside ----- Bottom Make Kuster Cap 3200 No. 1561 Inside -----

Trundle: Depth ----- Clock No. ----- Inside ----- Depth ----- Ft. Clock No. ----- Inside -----

Top Make ----- Cap ----- No. ----- Inside ----- Bottom Make ----- Cap ----- No. ----- Inside -----

Time Set Packer 10:08 A. M.

Tool Open I.F.P. From 10:10 M. to 10:30 M. Hr. 20 Min. From (B) 17 P.S.I. To (C) 36 P.S.I.

Tool Closed I.C.I.P. From 10:30 M. to 11:00 M. Hr. 30 Min. (D) 1407 P.S.I.

Tool Open F.F.P. From 11:00 M. to 12:00 M. Hr. 1 Min. From (E) 51 P.S.I. To (F) 83 P.S.I.

Tool Closed F.C.I.P. From 12:00 M. to 12:30 M. Hr. 30 Min. (G) 1400 P.S.I.

Initial Hydrostatic Pressure (A) 2162 P.S.I. Final Hydrostatic Pressure (H) 2127 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. ----- Time ----- Description of Flow -----

INFORMATION ----- M. ----- M. ----- M.

LOW Very weak throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes X No ----- Recovery Total Ft. 145 feet salt water.

Reversed Out Yes X No ----- Mud Type starch Viscosity 89 Weight 10 Water Loss ----- cc. Maximum Temp 116 °F

EQUIPMENT: Dual Packers no Safety Joint no Jars: Size 3 1/2" IF Make WTC Ser. No. 402

Type Circ. Sub pin Did Tool Plug? no Where? ----- Did Packer Hold? yes

Length Drill Pipe 4081 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ----- ft. I.D. Weight Pipe ----- in. Length Drill Collars 120 ft.

I.D. Drill Collars 2 1/4 in. Length D.S.T. Tool 42 ft.

Remarks 5 salt water checked 120,000 chloride parts per million.

WESTERN TESTING CO., INC. Pressure Data

Date 9-28-67 Test Ticket No. 7064
Recorder No. 1560 Capacity 3180 Location 4215 Ft.
Clock No. 6051 Elevation 1321 Kelly Bushings Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2162</u> P.S.I.	Opened Tool	<u>10:08 A.</u> M	
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1407</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>31</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>31</u> Mins.
F Second Final Flow Pressure	<u>83</u> P.S.I.			
G Final Closed-in Pressure	<u>1400</u> P.S.I.			
H Final Hydrostatic Mud	<u>2127</u> P.S.I.			

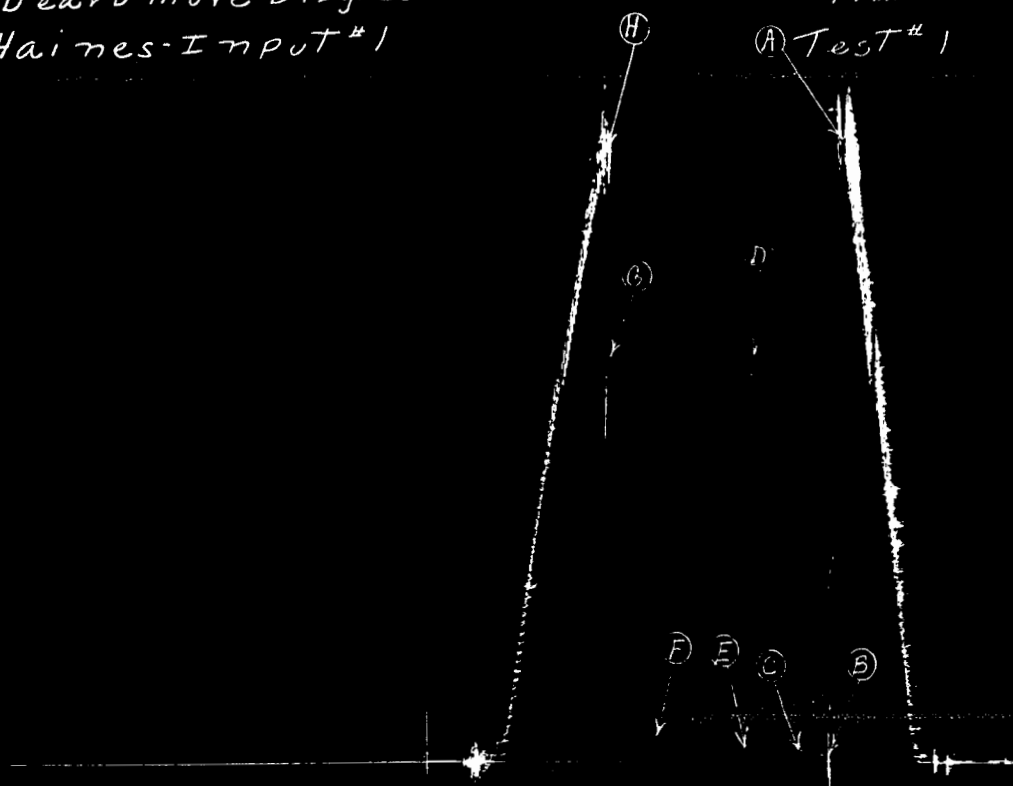
PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>6</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>1</u> Min.	
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1: <u>0</u>	<u>17</u>	<u>0</u> <u>0</u>	<u>36</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>83</u>
P 2: <u>5</u>	<u>23</u>	<u>3</u> <u>7.67</u>	<u>236</u>	<u>5</u>	<u>32</u>	<u>3</u> <u>21.0</u>	<u>210</u>
P 3: <u>10</u>	<u>26</u>	<u>6</u> <u>4.33</u>	<u>1353</u>	<u>10</u>	<u>36</u>	<u>6</u> <u>11.0</u>	<u>846</u>
P 4: <u>15</u>	<u>32</u>	<u>9</u> <u>3.22</u>	<u>1398</u>	<u>15</u>	<u>61</u>	<u>9</u> <u>7.67</u>	<u>1360</u>
P 5: <u>20</u>	<u>36</u>	<u>12</u> <u>2.67</u>	<u>1398</u>	<u>20</u>	<u>65</u>	<u>12</u> <u>6.0</u>	<u>1382</u>
P 6: _____	_____	<u>15</u> <u>1.33</u>	<u>1400</u>	<u>25</u>	<u>70</u>	<u>15</u> <u>5.0</u>	<u>1388</u>
P 7: _____	_____	<u>18</u> <u>2.11</u>	<u>1403</u>	<u>30</u>	<u>76</u>	<u>18</u> <u>4.33</u>	<u>1393</u>
P 8: _____	_____	<u>21</u> <u>1.95</u>	<u>1406</u>	<u>35</u>	<u>76</u>	<u>21</u> <u>3.86</u>	<u>1396</u>
P 9: _____	_____	<u>24</u> <u>1.83</u>	<u>1407</u>	<u>40</u>	<u>77</u>	<u>24</u> <u>3.5</u>	<u>1397</u>
P10: _____	_____	<u>27</u> <u>1.74</u>	<u>1407</u>	<u>45</u>	<u>80</u>	<u>27</u> <u>3.22</u>	<u>1398</u>
P11: _____	_____	<u>30</u> <u>1.66</u>	<u>1407</u>	<u>50</u>	<u>81</u>	<u>30</u> <u>3.0</u>	<u>1399</u>
P12: _____	_____			<u>55</u>	<u>83</u>	<u>31</u> <u>2.94</u>	<u>1400</u>
P13: _____	_____						
P14: _____	_____						
P15: _____	_____						
P16: _____	_____						
P17: _____	_____						
P18: _____	_____						
P19: _____	_____						
P20: _____	_____						

BearDmore DrLg. Co.
Haines-Input #1

T.K.T. # 7064

Test # 1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2159	2162	PSI
(B) First Initial Flow Pressure	15	17	PSI
(C) First Final Flow Pressure	39	36	PSI
(D) Initial Closed-in Pressure	1395	1407	PSI
(E) Second Initial Flow Pressure	47	51	PSI
(F) Second Final Flow Pressure	78	83	PSI
(G) Final Closed-in Pressure	1395	1400	PSI
(H) Final Hydrostatic Mud	2135	2127	PSI