



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

18-285-7W
75' E of C N E - N W - S W

Company Petroleum, Inc. Lease & Well No. Livingston 'E' #1
Elevation 1603 Ground Level (Est.) Formation Mississippi Effective Pay - Ft. Ticker No. 12626
Date 9/12/81 Sec. 18 Twp. 28S Range 7W County Kingman State Kansas
Test Approved by Curtis E. Covey Western Representative Vernon Wondra
Formation Test No. 1 Interval Tested from 4059 ft. to 4071 ft. Total Depth 4071 ft.
Packer Depth 4054 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 4059 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4061 ft. Recorder Number 6074 Cap. 5100
Bottom Recorder Depth (Outside) 4063 ft. Recorder Number 1562 Cap. 4450
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drlg. Co. Rig #8 Drill Collar Length 198 I. D. 2 1/4 in.
Mud Type chemical-driscap viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 18.4 cc. Drill Pipe Length 3838 D. 3.8 in.
Chlorides 13,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 12 ft. Size 5 1/2 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 4 1/2 FH in.

Blow: Very weak blow; died in ten minutes on initial flow period. No blow on final flow period.

Recovered 75 ft. of watery mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 9:10 ~~A.M.~~ P.M. Time Started Off Bottom 11:25 ~~A.M.~~ P.M. Maximum Temperature 129°
Initial Hydrostatic Pressure 2017 P.S.I.
Initial Flow Period 15 Minutes (B) 43 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period 30 Minutes (D) 1332 P.S.I.
Final Flow Period 35 Minutes (E) 61 P.S.I. to (F) 64 P.S.I.
Final Closed In Period 57 Minutes (G) 1258 P.S.I.
Final Hydrostatic Pressure 1928 P.S.I. (H)

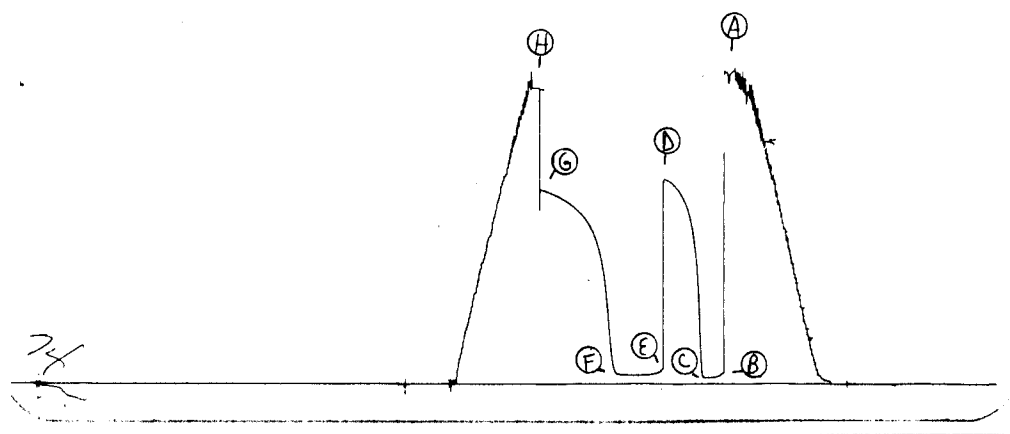
Pressure Data

Time Given		Time Computed	
9:10P	M		
15	Mins.	15	Mins.
30	Mins.	30	Mins.
30	Mins.	35	Mins.
60	Mins.	57	Mins.

Final Shut-In
Breakdown: 19 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 0	43	0	43	0	61	0	64
P 2 5	43	3	547	5	61	3	130
P 3 10	43	6	859	10	61	6	396
P 4 15	43	9	1031	15	61	9	627
P 5		12	1128	20	61	12	793
P 6		15	1194	25	62	15	903
P 7		18	1240	30	63	18	987
P 8		21	1273	35	64	21	1033
P 9		24	1301			24	1074
P10		27	1321			27	1107
P11		30	1332			30	1130
P12						33	1156
P13						36	1179
P14						39	1191
P15						42	1209
P16						45	1222
P17						48	1232
P18						51	1242
P19						54	1255
P20						57	1258

TKT # 12626
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This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2017	2017 PSI
(B) First Initial Flow Pressure	38	43 PSI
(C) First Final Flow Pressure	38	43 PSI
(D) Initial Closed-in Pressure	1329	1332 PSI
(E) Second Initial Flow Pressure	51	61 PSI
(F) Second Final Flow Pressure	51	64 PSI
(G) Final Closed-in Pressure	1252	1258 PSI
(H) Final Hydrostatic Mud	1928	1928 PSI



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18-285-7W
75' E of 2-N-E-NW

Company Petroleum, Inc. Lease & Well No. Livingston 'E' #1
Elevation -- Formation Mississippi Effective Pay - Ft. Ticket No. 11850
Date 9/13/81 Sec. 18 Twp. 28S Range 7W County Kingman State Kansas
Test Approved by Curtis E. Covey Western Representative Louis Spencer-Richard Howell
Formation Test No. 2 Interval Tested from 4076 ft. to 4087 ft. Total Depth 4122 ft.
Packer Depth 4081 ft. Size 6 3/4 in. Packer Depth 4087 ft. Size 6 3/4 in.
Packer Depth 4076 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4065 ft. Recorder Number 1560 Cap. 4500
Bottom Recorder Depth (Outside) 4079 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth 4122 ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drlg. Rig #8 Drill Collar Length 176 I. D. 2.2 in.
Mud Type drispac Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 18.4 cc. Drill Pipe Length 3866 I. D. 3.8 in.
Chlorides 13,000 P.P.M. Test Tool Length 34 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 13029 Anchor Length 11 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: Initial flow period weak.

Recovered 208 ft. of muddy water Chlorides 76,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:15 A.M. P.M. Time Started Off Bottom 8:00 A.M. P.M. Maximum Temperature 114°
Initial Hydrostatic Pressure 2040 (A) P.S.I.
Initial Flow Period 15 Minutes (B) 51 P.S.I. to (C) 111 P.S.I.
Initial Closed In Period 30 Minutes (D) 1453 * P.S.I.
Final Flow Period 60 Minutes (E) 69 P.S.I. to (F) 116 P.S.I.
Final Closed In Period 60 Minutes (G) 1365 P.S.I.
Final Hydrostatic Pressure 1972 (H) P.S.I.

WESTERN TESTING CO., INC.

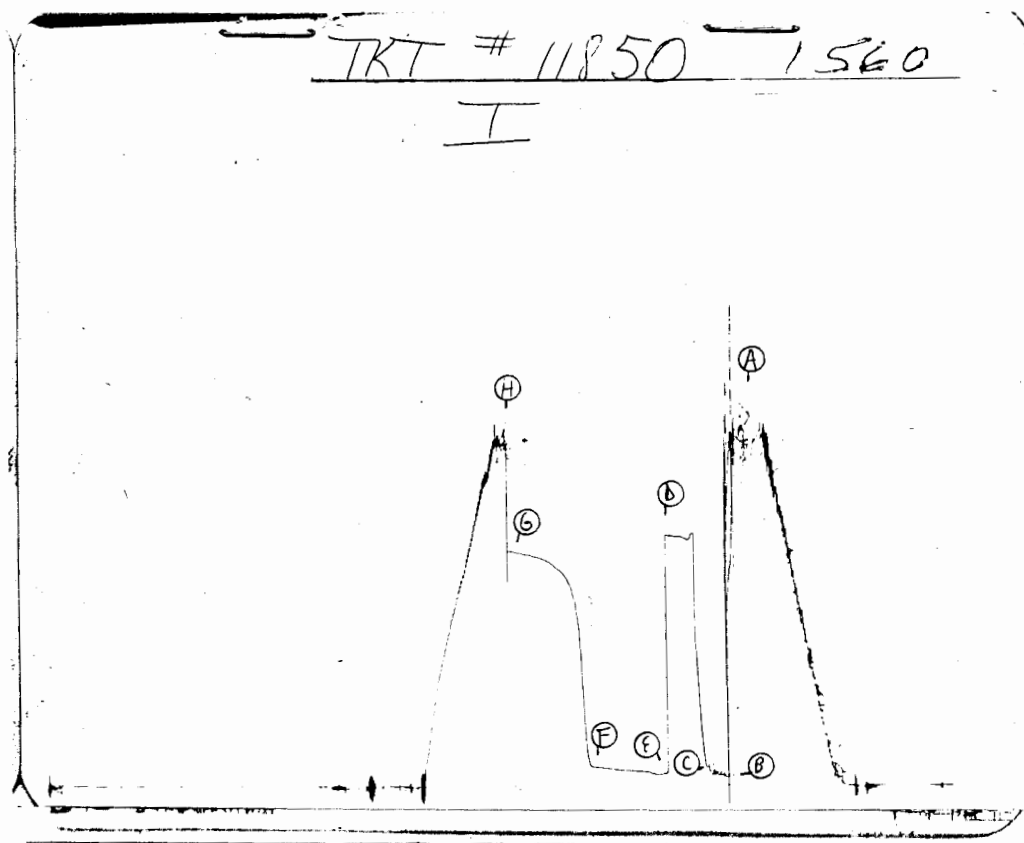
Pressure Data

Date 9/13/81 Test Ticket No. 11850
 Recorder No. 1560 Capacity 4500 Location 4065 Fr. ---
 Clock No. --- Elevation --- Well Temperature 114 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2040 P.S.I. Open Tool 5:15P M
 B First Initial Flow Pressure 51 P.S.I. First Flow Pressure 15 Mins. 15 Mins.
 C First Final Flow Pressure 111 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1453 * P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 69 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 116 P.S.I.
 G Final Closed-in Pressure 1365 P.S.I.
 H Final Hydrostatic Mud 1972 P.S.I.

* PRESSURES QUESTIONABLE DUE TO TOOL
MOVEMENT.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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 <u>0</u>	<u>51</u>	<u>0</u>	<u>111</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>116</u>
P 2 <u>5</u>	<u>63</u>	<u>3</u>	<u>252</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>278</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>587</u>	<u>10</u>	<u>71</u>	<u>6</u>	<u>658</u>
P 4 <u>15</u>	<u>111</u>	<u>9</u>	<u>1464 *</u>	<u>15</u>	<u>83</u>	<u>9</u>	<u>977</u>
P 5		<u>12</u>	<u>1446 *</u>	<u>20</u>	<u>88</u>	<u>12</u>	<u>1101</u>
P 6		<u>15</u>	<u>1432 *</u>	<u>25</u>	<u>90</u>	<u>15</u>	<u>1178</u>
P 7		<u>18</u>	<u>1444 *</u>	<u>30</u>	<u>93</u>	<u>18</u>	<u>1221</u>
P 8		<u>21</u>	<u>1447 *</u>	<u>35</u>	<u>95</u>	<u>21</u>	<u>1248</u>
P 9		<u>24</u>	<u>1447 *</u>	<u>40</u>	<u>100</u>	<u>24</u>	<u>1266</u>
P10		<u>27</u>	<u>1452 *</u>	<u>45</u>	<u>104</u>	<u>27</u>	<u>1288</u>
P11		<u>30</u>	<u>1453 *</u>	<u>50</u>	<u>108</u>	<u>30</u>	<u>1304</u>
P12				<u>55</u>	<u>111</u>	<u>33</u>	<u>1315</u>
P13				<u>60</u>	<u>116</u>	<u>36</u>	<u>1326</u>
P14						<u>39</u>	<u>1331</u>
P15						<u>42</u>	<u>1337</u>
P16						<u>45</u>	<u>1342</u>
P17						<u>48</u>	<u>1347</u>
P18						<u>51</u>	<u>1353</u>
P19						<u>54</u>	<u>1356</u>
P20						<u>57</u>	<u>1362</u>
						<u>60</u>	<u>1365</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2040	2040	PSI
(B) First Initial Flow Pressure	57	51	PSI
(C) First Final Flow Pressure	115	111	PSI
(D) Initial Closed-in Pressure	1432	1453 *	PSI
(E) Second Initial Flow Pressure	69	69	PSI
(F) Second Final Flow Pressure	115	116	PSI
(G) Final Closed-in Pressure	1364	1365	PSI
(H) Final Hydrostatic Mud	1972	1972	PSI