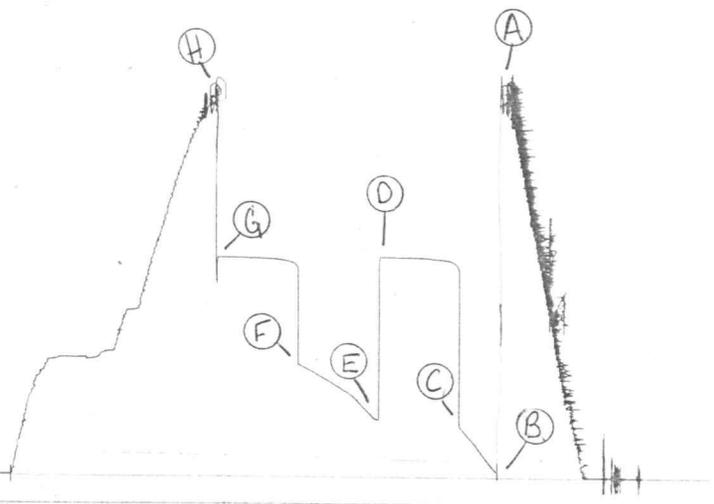


5354

TK4# 376  
I





P. O. BOX 1599 PHONE (316) 838-0601  
 WICHITA, KANSAS 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Hess #1  
 Elevation ----- Formation Lansing Effective Pay ----- Ft. Ticket No. 376  
 Date 8/29/78 Sec. 23 Twp. 19S Range 30W County Lane State Kansas  
 Test Approved by Charles R. King Western Representative John J. Schmidt

Formation Test No. 2 Interval Tested from 4205' ft. to 4222' ft. Total Depth 4222' ft.  
 Packer Depth 4200 ft. Size 6 3/4 in. Packer Depth 4205 ft. Size 6 3/4 in.  
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4214 ft. Recorder Number 3354 Cap. 4200 PSI  
 Bottom Recorder Depth (Outside) 4217 ft. Recorder Number 2605 Cap. 4150 PSI  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Dunne-Gardner #1 Drill Collar Length -- I. D. -- in.  
 Mud Type drispac Viscosity 39 Weight Pipe Length 948 I. D. 2.76 in.  
 Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3302 I. D. 3.8 in.  
 Chlorides 3,500 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make None Serial Number -- Anchor Length 17 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Fair to good blow. Bottom of bucket six minutes.

Recovered 60 ft. of gas in pipe  
 Recovered 35 ft. of free oil (24° gravity)  
 Recovered 1300 ft. of salt water (26,000 Chlorides PPM)  
 Recovered 25 ft. of oil cut mud  
 Recovered 1360 ft. of Total Fluid

Remarks: \_\_\_\_\_  
 \_\_\_\_\_

Time Set Packer(s) 6:12 ~~AM~~ P.M. Time Started Off Bottom 9:45 ~~AM~~ P.M. Maximum Temperature 131  
 Initial Hydrostatic Pressure ..... (A) 2157 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 34 P.S.I. to (C) 283 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1215 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 319 P.S.I. to (F) 620 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1213 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2114 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/29/78

Recorder No. 3359

Capacity 4200

Test Ticker No. 376

Clock No. -- Elevation --

Location 4214 Ft.

Well Temperature 131 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2157</u> P.S.I.	Open Tool	<u>6:12P</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>283</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1215</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>319</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>620</u> P.S.I.			
G Final Closed-in Pressure	<u>1213</u> P.S.I.			
H Final Hydrostatic Mud	<u>2114</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

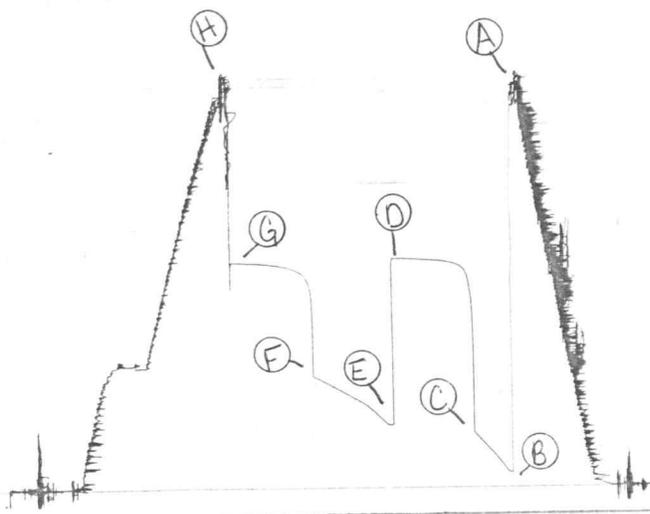
Initial Shut-In  
Breakdown: 20 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

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

Final Shut-In  
Breakdown: 20 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 <u>0</u>	<u>34</u>	<u>0</u>	<u>283</u>	<u>0</u>	<u>319</u>	<u>0</u>	<u>620</u>
P 2 <u>5</u>	<u>65</u>	<u>3</u>	<u>772</u>	<u>5</u>	<u>338</u>	<u>3</u>	<u>1161</u>
P 3 <u>10</u>	<u>114</u>	<u>6</u>	<u>1167</u>	<u>10</u>	<u>380</u>	<u>6</u>	<u>1186</u>
P 4 <u>15</u>	<u>171</u>	<u>9</u>	<u>1187</u>	<u>51</u>	<u>414</u>	<u>9</u>	<u>1193</u>
P 5 <u>20</u>	<u>213</u>	<u>12</u>	<u>1196</u>	<u>20</u>	<u>447</u>	<u>12</u>	<u>1198</u>
P 6 <u>25</u>	<u>258</u>	<u>15</u>	<u>1200</u>	<u>25</u>	<u>473</u>	<u>15</u>	<u>1200</u>
P 7 <u>30</u>	<u>283</u>	<u>18</u>	<u>1204</u>	<u>30</u>	<u>498</u>	<u>18</u>	<u>1204</u>
P 8		<u>21</u>	<u>1206</u>	<u>35</u>	<u>521</u>	<u>21</u>	<u>1206</u>
P 9		<u>24</u>	<u>1208</u>	<u>40</u>	<u>541</u>	<u>24</u>	<u>1207</u>
P10		<u>27</u>	<u>1210</u>	<u>45</u>	<u>561</u>	<u>27</u>	<u>1208</u>
P11		<u>30</u>	<u>1211</u>	<u>50</u>	<u>584</u>	<u>30</u>	<u>1209</u>
P12		<u>33</u>	<u>1213</u>	<u>55</u>	<u>603</u>	<u>33</u>	<u>1210</u>
P13		<u>36</u>	<u>1213</u>	<u>60</u>	<u>620</u>	<u>36</u>	<u>1211</u>
P14		<u>39</u>	<u>1214</u>			<u>39</u>	<u>1212</u>
P15		<u>42</u>	<u>1214</u>			<u>42</u>	<u>1212</u>
P16		<u>45</u>	<u>1214</u>			<u>45</u>	<u>1213</u>
P17		<u>48</u>	<u>1214</u>			<u>48</u>	<u>1213</u>
P18		<u>51</u>	<u>1215</u>			<u>51</u>	<u>1213</u>
P19		<u>54</u>	<u>1215</u>			<u>54</u>	<u>1213</u>
P20		<u>57</u>	<u>1215</u>			<u>57</u>	<u>1213</u>
WTC - 4		<u>60</u>	<u>1215</u>			<u>60</u>	<u>1213</u>

TK1# 377  
I





P. O. BOX 1599      PHONE (316) 838-0601  
 WICHITA, KANSAS 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Hess #1  
 Elevation -- Formation Lansing Effective Pay ----- Ft. Ticket No. 377  
 Date 8/30/78 Sec. 23 Twp. 19S Range 30W County Lane State Kansas  
 Test Approved by Jerry A. Smith Western Representative John J. Schmidt

Formation Test No. 3 Interval Tested from 4276' ft. to 4345' ft. Total Depth 4345' ft.  
 Packer Depth 4271 ft. Size 6 3/4 in. Packer Depth 4276 ft. Size 6 3/4 in.  
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4438 ft. Recorder Number 3354 Cap. 4200 PSI  
 Bottom Recorder Depth (Outside) 4441 ft. Recorder Number 2605 Cap. 4150 PSI  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Dunne-Gardner #1 Drill Collar Length -- I. D. -- in.  
 Mud Type drispac Viscosity 41 Weight Pipe Length 948 I. D. 2.76 in.  
 Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 3428 I. D. 3.8 in.  
 Chlorides 4,000 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make None Serial Number -- Anchor Length 69 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Fair to good blow. Bottom of bucket six minutes.

Recovered 1430 ft. of salt water (15,000 Chlorides PPM)  
 Recovered 20 ft. of rotary mud  
 Recovered        ft. of (No show of oil)  
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:       

Time Set Packer(s) 5:12 ~~A.M.~~ P.M. Time Started Off Bottom 8:45 ~~A.M.~~ P.M. Maximum Temperature 128  
 Initial Hydrostatic Pressure ..... (A) 2217 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 83 P.S.I. to (C) 304 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1272 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 348 P.S.I. to (F) 616 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1253 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2197 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/30/78

Test Ticket No. 377

Recorder No. 3354

Capacity 4200

Location 4438 Ft.

Clock No. -- Elevation --

Well Temperature 128 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2217	P.S.I.	Open Tool	5:12P M	
B First Initial Flow Pressure	83	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	304	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1272	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	348	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	616	P.S.I.			
G Final Closed-in Pressure	1253	P.S.I.			
H Final Hydrostatic Mud	2197	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Initial Shut-In  
Breakdown: 20 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

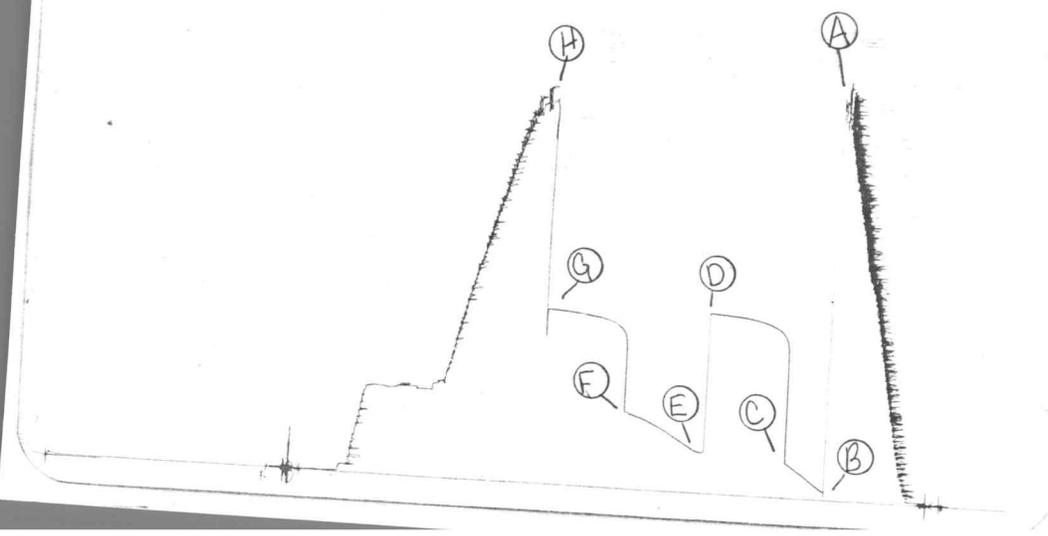
Second Flow Pressure  
Breakdown: 12 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Final Shut-In  
Breakdown: 20 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	83	0	304	0	348	0	616
P 2 5	112	3	1057	5	359	3	1105
P 3 10	162	6	1186	10	392	6	1165
P 4 15	204	9	1217	15	428	9	1190
P 5 20	244	12	1236	20	462	12	1204
P 6 25	286	15	1245	25	481	15	1214
P 7 30	304	18	1249	30	505	18	1222
P 8		21	1254	35	525	21	1228
P 9		24	1258	40	544	24	1232
P10		27	1261	45	565	27	1237
P11		30	1262	50	584	30	1239
P12		33	1264	55	603	33	1243
P13		36	1266	60	616	36	1245
P14		39	1267			39	1246
P15		42	1268			42	1248
P16		45	1269			45	1249
P17		48	1270			48	1250
P18		51	1271			51	1251
P19		54	1271			54	1252
P20		57	1272			57	1253
WTC - 4		60	1272			60	1253

3557

TK4 #378  
I





P. O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

Company Dunne-Gardner Petroleum Inc. Lease & Well No. Hess #1  
 Elevation -- Formation Marmaton Effective Pay ----- Ft. Ticket No. 378  
 Date 8/31/78 Sec. 23 Twp. 19S Range 30W County Lane State Kansas  
 Test Approved by Jerry A. Smith Western Representative John J. Schmidt

Formation Test No. 4 Interval Tested from 4394 ft. to 4426 ft. Total Depth 4426 ft.  
 Packer Depth 4389 ft. Size 6 3/4 in. Packer Depth 4394 ft. Size 6 3/4 in.  
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4418 ft. Recorder Number 3354 Cap. 4200 PSI  
 Bottom Recorder Depth (Outside) 4421 ft. Recorder Number 2605 Cap. 4150 PSI  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Dunne-Gardner #1 Drill Collar Length -- I. D. -- in.  
 Mud Type drispac Viscosity 42 Weight Pipe Length 948 I. D. 2.76 in.  
 Weight 9.1 Water Loss 8.4 cc. Drill Pipe Length 3489 I. D. 3.8 in.  
 Chlorides 3,000 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make None Serial Number -- Anchor Length 32 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Fair to good blow. Bottom of bucket five minutes.

Recovered 250 ft. of gas in pipe  
 Recovered 865 ft. of gassy free oil (31° gravity)  
 Recovered 70 ft. of heavy gassy oil cut mud  
 Recovered 125 ft. of salt water (18,000 Chlorides PPM)  
 Recovered 1050 ft. of TOTAL FLUID

Remarks: \_\_\_\_\_

Time Set Packer(s) 1:42 ~~AM~~ P.M. Time Started Off Bottom 5:15 ~~AM~~ P.M. Maximum Temperature 125  
 Initial Hydrostatic Pressure ..... (A) 2199 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 44 P.S.I. to (C) 195 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 989 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 234 P.S.I. to (F) 432 P.S.I.  
 Final Closed In Period ..... Minutes 61 (G) 968 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2191 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 8/31/78 Test Ticket No. 378  
 Recorder No. 3354 Capacity 4200 Location 4418 Ft.  
 Clock No. -- Elevation -- Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2199 P.S.I.	Open Tool	1:42P	M
B First Initial Flow Pressure	44 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	195 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	989 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	234 P.S.I.	Final Closed-in Pressure	61 Mins.	60 Mins.
F Second Final Flow Pressure	432 P.S.I.			
G Final Closed-in Pressure	968 P.S.I.			
H Final Hydrostatic Mud	2191 P.S.I.			

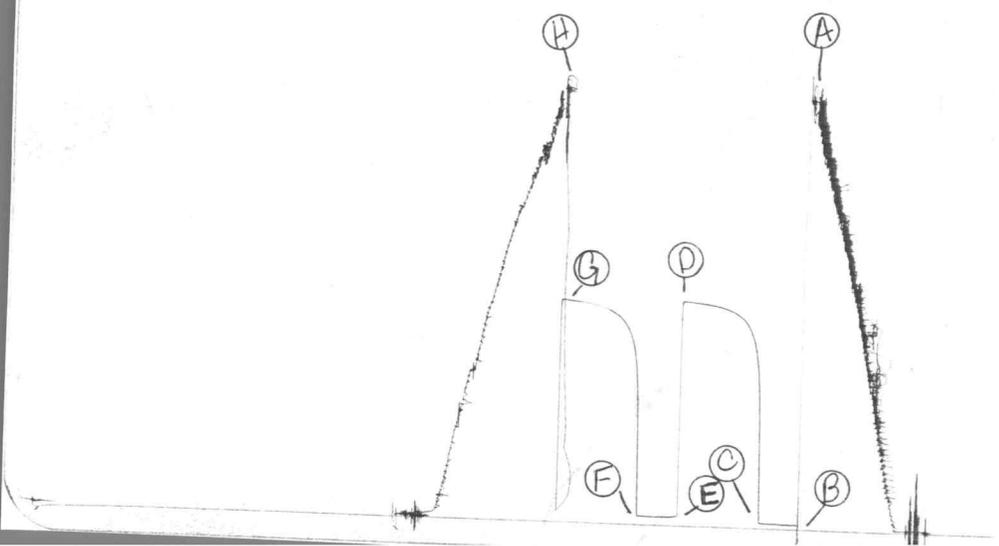
**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
--	---	--	---

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	44	0	195	0	234	0	432
P 2 5	63	3	629	5	230	3	841
P 3 10	93	6	870	10	251	6	884
P 4 15	123	9	904	15	274	9	901
P 5 20	148	12	924	20	297	12	916
P 6 25	174	15	937	25	319	15	924
P 7 30	195	18	947	30	342	18	930
P 8		21	954	35	362	21	935
P 9		24	960	40	380	24	939
P 10		27	964	45	397	27	943
P 11		30	968	50	409	30	947
P 12		33	973	55	420	33	951
P 13		36	975	60	432	36	956
P 14		39	978			39	958
P 15		42	981			42	960
P 16		45	982			45	962
P 17		48	985			48	964
P 18		51	986			51	965
P 19		54	987			54	966
P 20		57	988			57	967
WTC - 4		60	989			60	968

3354

TR1# 380  
I.





P. O. BOX 1599 PHONE (316) 838-0601  
 WICHITA, KANSAS 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Hess #1  
 Elevation - Formation Marmaton Effective Pay - Ft. Ticket No. 379  
 Date 9-1-78 Sec. 23 Twp. 19S Range 30W County Lane State Kansas  
 Test Approved by Jerry A. Smith Western Representative John J. Schmidt

Formation Test No. 5 Interval Tested from 4442 ft. to 4462 ft. Total Depth 4462 ft.  
 Packer Depth 4437 ft. Size 6 3/4 in. Packer Depth 4442 ft. Size 63/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4455 ft. Recorder Number 3354 Cap. 4200  
 Bottom Recorder Depth (Outside) 4458 ft. Recorder Number 2605 Cap. 4150  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Dunne-Gardner Petroleum (#1) Drill Collar Length - I. D. - in.  
 Mud Type Drispac Viscosity 42 Weight Pipe Length 948 I. D. 2.76 in.  
 Weight 9.1 Water Loss 8.4 cc. Drill Pipe Length 3521 I. D. 3.8 in.  
 Chlorides 3,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make - Serial Number - Anchor Length 20 ft. Size 5 1/2 OD 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.

Blow: Fair blow to a good blow from bottom of bucket in 8 minutes.

Recovered 750 ft. of gas in pipe  
 Recovered 40 ft. of gassy free oil (37 gravity)  
 Recovered 60 ft. of gassy heavy oil cut mud (50% oil estimated)  
 Recovered 95 ft. of gassy muddy oil  
 Recovered 195 ft. of total fluid recovery (no water)

Remarks: \_\_\_\_\_

Time Set Packer(s) 7:57 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 11:30 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 128  
 Initial Hydrostatic Pressure ..... (A) 2197 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 27 P.S.I. to (C) 59 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1095 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 93 P.S.I. to (F) 105 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1001 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2189 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 9-1-78

Test Ticket No. 379

Recorder No. 3354 Capacity 4200

Location 4455 Ft.

Clock No. - Elevation -

Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2197 P.S.I.	Open Tool	7:57A. M	
B First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	59 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1095 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	93 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	105 P.S.I.			
G Final Closed-in Pressure	1001 P.S.I.			
H Final Hydrostatic Mud	2189 P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 20 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

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

**Final Shut-In**  
Breakdown: 20 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	27	0	59	0	93	0	105
P 2	32	3	98	5	79	3	207
P 3	36	6	238	10	79	6	525
P 4	41	9	608	15	81	9	724
P 5	47	12	838	20	87	12	802
P 6	55	15	914	25	90	15	838
P 7	59	18	951	30	93	18	865
P 8		21	977	35	95	21	886
P 9		24	998	40	99	24	903
P10		27	1015	45	101	27	920
P11		30	1027	50	103	30	928
P12		33	1039	55	104	33	940
P13		36	1049	60	105	36	950
P14		39	1057			39	960
P15		42	1065			42	966
P16		45	1072			45	973
P17		48	1078			48	979
P18		51	1082			51	985
P19		54	1091			54	992
P20		57	1093			57	996
WTC - 4		60	1095			60	1001



P. O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

Company Dunne-Gardner Petroleum, Inc. Lease & Well No. Hess #1  
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 1380  
Date 9-2-78 Sec. 23 Twp. 19S Range 30W County Lane State Kansas  
Test Approved by Jerry A. Smith Western Representative John J. Schmidt

Formation Test No. 6 Interval Tested from 4626' ft. to 4641' ft. Total Depth 4641' ft.  
Packer Depth 4621 ft. Size 6 3/4 in. Packer Depth 4626 ft. Size 6 3/4 in.  
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4634 ft. Recorder Number 3365 Cap. 4200  
Bottom Recorder Depth (Outside) 4637 ft. Recorder Number 2605 Cap. 4150  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Dunne-Gardner Petroleum (#1) Drill Collar Length - I. D. - in.  
Mud Type Drispac Viscosity 43 Weight Pipe Length 948 I. D. 2.76 in.  
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 3710 I. D. 3.8 in.  
Chlorides 4,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.  
Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 OD 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.

Blow: Very weak blow, died on second opening.

Recovered 30 ft. of mud.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 12:57 ~~AM~~ P.M. Time Started Off Bottom 4:00 ~~AM~~ P.M. Maximum Temperature 134  
Initial Hydrostatic Pressure ..... (A) 2350 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 23 P.S.I. to (C) 29 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 1226 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 57 P.S.I. to (F) 45 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 1216 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2314 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 9-2-78

Test Ticket No. 380

Recorder No. 3354 Capacity 4200

Location 4634 Ft.

Clock No. - Elevation - Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2350	P.S.I.	12:57P.	M
B First Initial Flow Pressure	23	P.S.I.	30	30 Mins.
C First Final Flow Pressure	29	P.S.I.	60	60 Mins.
D Initial Closed-in Pressure	1226	P.S.I.	30	30 Mins.
E Second Initial Flow Pressure	57	P.S.I.	60	60 Mins.
F Second Final Flow Pressure	45	P.S.I.		
G Final Closed-in Pressure	1216	P.S.I.		
H Final Hydrostatic Mud	2314	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 20 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

**Second Flow Pressure**  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 20 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	23	0	29	0	57	0	45
P 2 5	23	3	466	5	47	3	697
P 3 10	23	6	878	10	45	6	892
P 4 15	25	9	1015	15	45	9	1007
P 5 20	25	12	1081	20	45	12	1065
P 6 25	26	15	1120	25	45	15	1070
P 7 30	29	18	1144	30	45	18	1129
P 8		21	1160			21	1146
P 9		24	1174			24	1159
P 10		27	1184			27	1170
P 11		30	1192			30	1180
P 12		33	1199			33	1188
P 13		36	1205			36	1192
P 14		39	1208			39	1198
P 15		42	1212			42	1203
P 16		45	1215			45	1205
P 17		48	1217			48	1208
P 18		51	1219			51	1210
P 19		54	1222			54	1212
P 20		57	1224			57	1214
		60	1226			60	1216

TK# 379  
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