Company Gear Petroleum Company, Inc. Lease & Well No. #1-3 Giefer

Elevation 1701 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 17185

Date 12/13/82 Sec. 3 Twp. 29S Range 9W County Kingman State Kansas

Test Approved by Roger L. Martin Western Representative Joady Hurtt

Formation Test No. 1 Interval Tested from 4153 ft. to 4192 ft. Total Depth 4192 ft.

Packer Depth 4148 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4153 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4183 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4186 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Red Tiger Drlg. Rig #6 Drill Collar Length - I. D. - in.

Mud Type chemical Viscosity 55 Weight Pipe Length 1210 I. D. 2.7 in.

Weight 9.6 Water Loss 10.5 cc. Drill Pipe Length 2922 I. D. 3.8 in.

Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-3/4 in.

Jars: Make - Serial Number - Anchor Length 39 ft. Size 5½ in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH-XH in.

Blow: Initial flow period weak increasing blow to six inches in bucket. Final flow period weak increasing blow to six inches in bucket.

Recovered 240 ft. of gas in pipe

Recovered 144 ft. of gassy oil spotted mud

Recovered 124 ft. of gassy slightly muddy slightly oil spotted water (Chlorides 52,000 ppm)

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:52 A.M. P.M. Time Started Off Bottom 5:37 A.M. P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2269	P.S.I.	
Initial Flow Period	Minutes 30		(B)	201 *	P.S.I. to (C)	217* P.S.I.
Initial Closed In Period	Minutes 60		(D)	1354	P.S.I.	
Final Flow Period	Minutes 45		(E)	136	P.S.I. to (F)	142 P.S.I.
Final Closed In Period	Minutes 90		(G)	198	P.S.I.	
Final Hydrostatic Pressure			(H)	2120	P.S.I.	

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 12/13/82 Test Ticket No. 17185

Recorder No. 13266 Capacity 4000 Location 4183 Ft.

Clock No. -- Elevation 1701 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2269	P.S.I.	Open Tool 1:52P	M
B First Initial Flow Pressure	201 *	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	217 *	P.S.I.	Initial Closed-in Pressure 60 Mins.	60 Mins.
D Initial Closed-in Pressure	1354	P.S.I.	Second Flow Pressure 45 Mins.	45 Mins.
E Second Initial Flow Pressure	136	P.S.I.	Final Closed-in Pressure 90 Mins.	90 Mins.
F Second Final Flow Pressure	142	P.S.I.		
G Final Closed-in Pressure	198	P.S.I.		
H Final Hydrostatic Mud	2120	P.S.I.		

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.

PRESSURES QUESTIONABLE DUE TO SHUT-IN TOOL LEAKED.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	201 *
P 2	5	241 *
P 3	10	227 *
P 4	15	478 *
P 5	20	251 *
P 6	25	228 *
P 7	30	217 *
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point Minutes	Press.
0	217 *
3	232
6	417
9	592
12	754
15	861
18	942
21	1013
24	1071
27	1118
30	1155
33	1193
36	1218
39	1245
42	1271
45	1291
48	1304
51	1317
54	1330
57	1342
60	1354

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	136
5	136
10	136
15	136
20	136
25	136
30	136
35	136
40	138
45	142

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	142
3	152 #
6	213 #
9	243 #
12	241 #
15	236 #
18	228 #
21	217 #
24	204 #
27	195 #
30	192 #
33	191 #
36	190 #
39	189#
42	188
45	188
48	188
51	188
54	188
57	188
60	188

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 12/13/82 Test Ticket No. 17185

Recorder No. 13266 Capacity 4000 Location 4183 Ft.

Clock No. -- Elevation 1701 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2269	P.S.I.	Open Tool 1:52P	M
B First Initial Flow Pressure	201 *	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	217 *	P.S.I.	Initial Closed-in Pressure 60 Mins.	60 Mins.
D Initial Closed-in Pressure	1354	P.S.I.	Second Flow Pressure 45 Mins.	45 Mins.
E Second Initial Flow Pressure	136	P.S.I.	Final Closed-in Pressure 90 Mins.	90 Mins.
F Second Final Flow Pressure	142	P.S.I.		
G Final Closed-in Pressure	198	P.S.I.		
H Final Hydrostatic Mud	2120	P.S.I.		

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.

PRESSURES QUESTIONABLE DUE TO SHUT-IN TOOL LEAKED.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	189
66	190
69	191
72	192
75	194
78	195
81	196
84	197
87	198
90	198

WTC - 4

TKT # 17185

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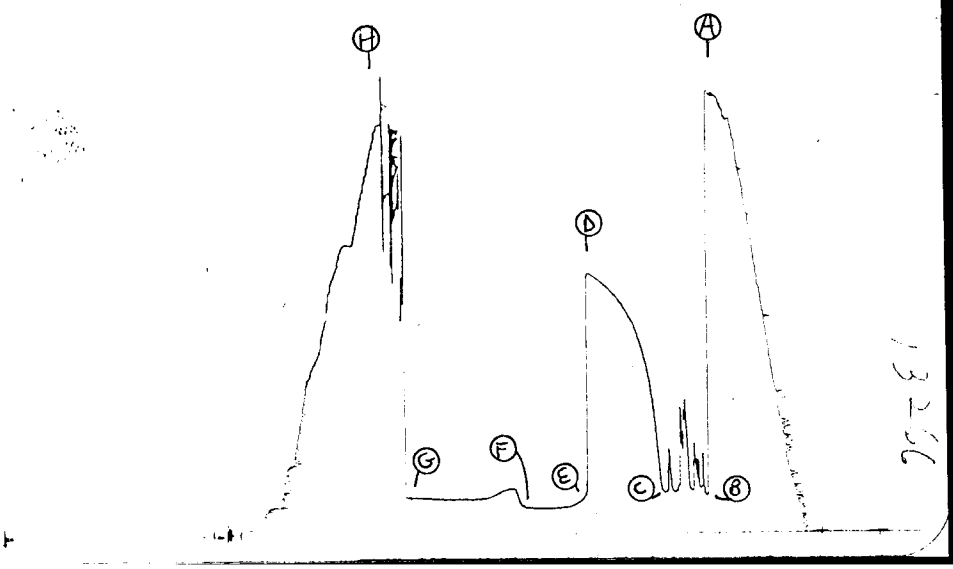

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Company Gear Petroleum Company, Inc. Lease & Well No. #1-3 Giefer

Elevation 1701 Kelly Bushing Formation Viola Effective Pay -- Ft. Ticket No. 17186

Date 12/15 /82 Sec. 3 Twp. 29S Range 9W County Kingman State Kansas

Test Approved by Roger L. Martin Western Representative Joady Hurtt

Formation Test No. 2 Interval Tested from 4468 ft. to 4483 ft. Total Depth 4483 ft.

Packer Depth 4463 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4468 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4473 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4476 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Red Tiger Drlg. Rig #6 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 47 Weight Pipe Length 1210 I. D. 2.7 in.

Weight 9.8 Water Loss 11.2 cc. Drill Pipe Length 3237 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-3/4 in.

Jars: Make - Serial Number - Anchor Length 15 ft. Size 5½ in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH&XH in.

Blow: Initial flow period strong blow on bottom of bucket in twenty minutes. Strong blow on final flowperiod - on bottom of bucket in nineteen minutes.

Recovered 216 ft. of mud with a few oil spots

Recovered 62 ft. of muddy water

Recovered 930 ft. of water Chlorides 20,000 ppm

Recovered ft. of

Recovered ft. of

Remarks: Set packers;packer failure; set packer again - packer failure. Set packer on third time and held. Lost about sixty feet of mud down hole.

Time Set Packer(s) 3:58 ~~A.M.~~ P.M. Time Started Off Bottom 5:58 ~~A.M.~~ P.M. Maximum Temperature 140°

Initial Hydrostatic Pressure (A) 2329 P.S.I.

Initial Flow Period Minutes 30 (B) 286 P.S.I. to (C) 325 P.S.I.

Initial Closed In Period Minutes 30 (D) 1091 P.S.I.

Final Flow Period Minutes 30 (E) 482 P.S.I. to (F) 509 P.S.I.

Final Closed In Period Minutes 30 (G) 808 P.S.I.

Final Hydrostatic Pressure (H) 2287 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Test Ticket No. 17186

Date 12/15/82 | Capacity 4000 | Location 4473 Ft.

Recorder No. 13266 | Elevation 1701 Kelly Bushing | Well Temperature 140 °F

Clock No. -

Point		Pressure	
A	Initial Hydrostatic Mud	2329	P.S.I.
B	First Initial Flow Pressure	286	P.S.I.
C	First Final Flow Pressure	325	P.S.I.
D	Initial Closed-in Pressure	1091	P.S.I.
E	Second Initial Flow Pressure	482	P.S.I.
F	Second Final Flow Pressure	509	P.S.I.
G	Final Closed-in Pressure	808	P.S.I.
H	Final Hydrostatic Mud	2287	P.S.I.

	Time Given	Time Computed
Open Tool	3:58P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	286
P 2 5	286
P 3 10	286
P 4 15	287
P 5 20	294
P 6 25	309
P 7 30	325
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	325
3	976
6	1039
9	1054
12	1069
15	1077
18	1083
21	1085
24	1087
27	1089
30	1091

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

Point Minutes	Press.
0	482
5	482
10	482
15	486
20	493
25	503
30	509

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	509
3	722
6	741
9	756
12	766
15	776
18	786
21	793
24	799
27	805
30	808

TKT # 17186

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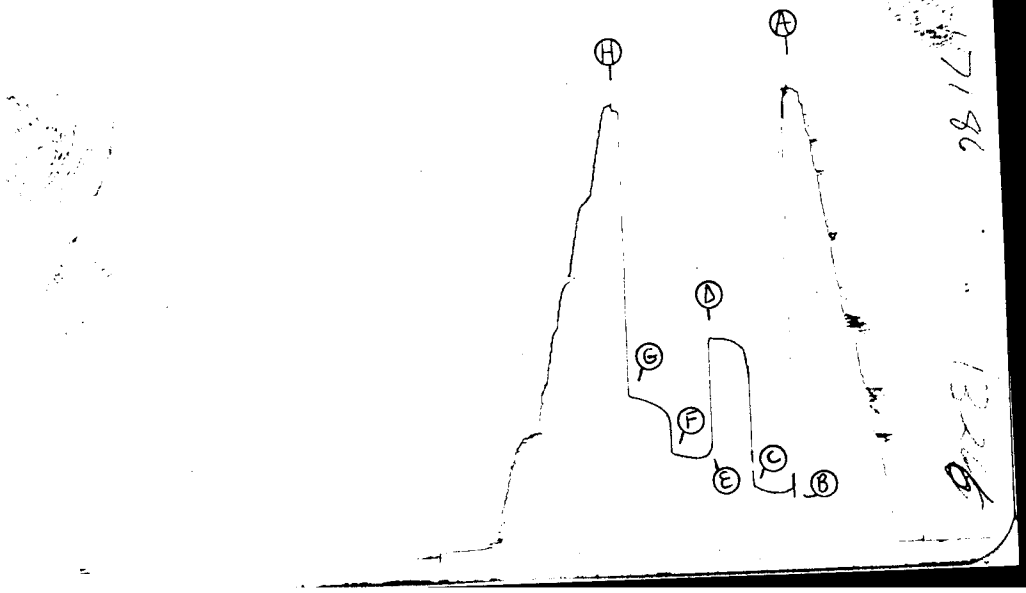

Company Gear Petroleum Company, Inc. Lease & Well No. #1-3 Giefer

Elevation 1701 Kelly Bushing Formation Viola Effective Pay -- Ft. Ticket No. 17187

Date 12/16 /82 Sec. 3 Twp. 29S Range 9W County Kingman State Kansas

Test Approved by Roger L. Martin Western Representative Joady Hurtt

Formation Test No. 3 Interval Tested from 4487 ft. to 4498 ft. Total Depth 4498 ft.

Packer Depth 4483 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4487 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4490 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4493 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Red Tiger Drlg. Rig #6 Drill Collar Length - I. D. - in.

Mud Type chemical Viscosity 47 Weight Pipe Length 1210 I. D. 2.7 in.

Weight 9.8 Water Loss 11.2 cc. Drill Pipe Length 3156 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-3/4 in.

Jars: Make - Serial Number - Anchor Length 11 ft. Size 5½ in.

Did Well Flow? - Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH&XH in.

Blow: Initial flow period strong blow - on bottom of bucket in forty seconds. Strong blow on final flow period - on bottom of bucket in forty seconds.

Recovered 186 ft. of gas in pipe)

Recovered 10 ft. of mud with oil spots)

Recovered 62 ft. of slightly watery mud with a few oil spots) GASSY

Recovered 62 ft. of slightly muddy water)

Recovered 2480 ft. of water Chlorides 43,000 ppm)

Remarks:

Time Set Packer(s) 7:00 A.M. P.M. Time Started Off Bottom 9:00 A.M. P.M. Maximum Temperature 140°

Initial Hydrostatic Pressure			(A) 2365 P.S.I.			
Initial Flow Period	Minutes 30	(B) 275 P.S.I.	to (C)	967 P.S.I.		
Initial Closed In Period	Minutes 30	(D) 1331 P.S.I.				
Final Flow Period	Minutes 30	(E) 1116 P.S.I.	to (F)	1261 P.S.I.		
Final Closed In Period	Minutes 30	(G) 1337 P.S.I.				
Final Hydrostatic Pressure			(H) 2291 P.S.I.			

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WESTERN TESTING CO., INC.
Pressure Data

Date 12/16/82 Test Ticket No. 17187

Recorder No. 13266 Capacity 4000 Location 4490 Ft.

Clock No. - Elevation 1701 Kelly Bushing Well Temperature 140 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2365 P.S.I.	Open Tool	7:00A M	
B First Initial Flow Pressure	275 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	967 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1331 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	1116 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	1261 P.S.I.			
G Final Closed-in Pressure	1337 P.S.I.			
H Final Hydrostatic Mud	2291 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	275
P 2 5	404
P 3 10	597
P 4 15	718
P 5 20	812
P 6 25	900
P 7 30	967
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	967
3	1260
6	1280
9	1294
12	1309
15	1317
18	1320
21	1325
24	1327
27	1329
30	1331

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

Point Minutes	Press.
0	1116
5	1116
10	1130
15	1170
20	1207
25	1241
30	1261

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	1261
3	1298
6	1311
9	1322
12	1327
15	1330
18	1333
21	1334
24	1335
27	1336
30	1337

17187

TKT #17187

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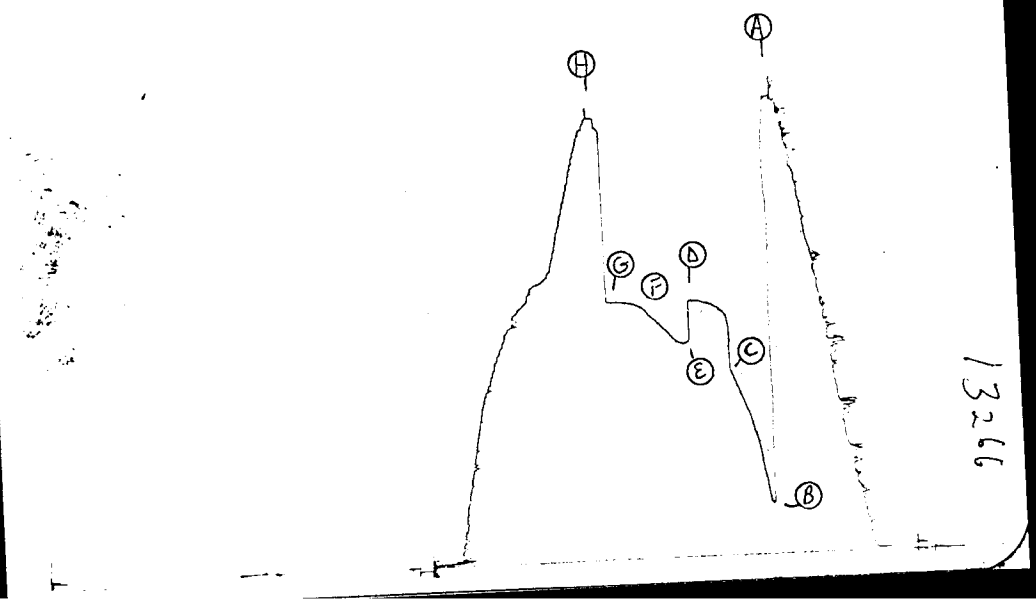

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