Company Gear Petroleum Company, Inc. Lease & Well No. Riffey #1

Elevation 1920 Ground Level Formation Lansing Effective Pay - Ft. Ticket No. 7653

Date 10-14-80 Sec. 6 Twp. 29S Range 12W County Pratt State Kansas

Test Approved by Mike Russell Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 3874 ft. to 3903 ft. Total Depth 3903 ft.

Packer Depth 3869 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3874 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3878 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 3881 ft. Recorder Number 4332 Cap. 4200

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

Drilling Contractor Red Tiger Rig #1 Drill Collar Length - I. D. - in.

Mud Type Premix Monpac Viscosity 47 Weight Pipe Length 1151 I. D. 2½ in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 2703 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 29 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 4½ FH in.

Blow: Very weak blow throughout test. (½ inch into water)

Recovered 15 ft. of slightly oil cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:25 ~~A.M.~~ P.M. Time Started Off Bottom 7:25 ~~A.M.~~ P.M. Maximum Temperature 115

Initial Hydrostatic Pressure ..... (A) 1895 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 12 P.S.I. to (C) 12 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 156 P.S.I.

Final Flow Period ..... Minutes 30 (E) 54 P.S.I. to (F) 42 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 89 P.S.I.

Final Hydrostatic Pressure ..... (H) 1838 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10/14/80 Test Ticket No. 7653

Recorder No. 2606 Capacity 4150 Location 3878 Ft.

Clock No. --- Elevation 1920 Ground Level Well Temperature 115 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1895	P.S.I.	Open Tool	5:25P M	
B	First Initial Flow Pressure	12	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	12	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	156	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	54	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	42	P.S.I.			
G	Final Closed-in Pressure	89	P.S.I.			
H	Final Hydrostatic Mud	1838	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: 10 Inc. of 3 mins. and a final inc. of 0 Min.

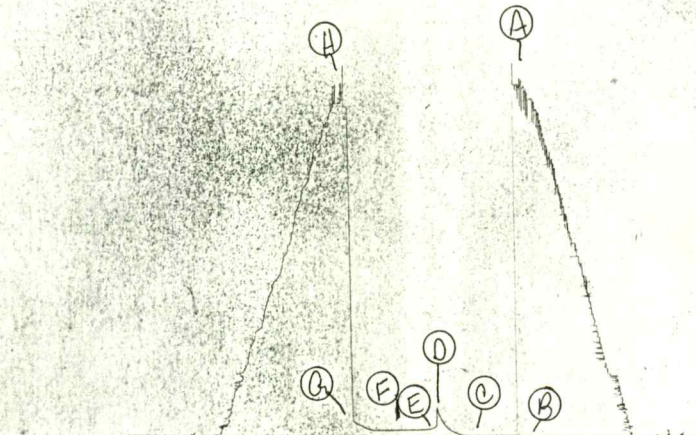
Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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	12	0	12	0	54	0	42
P 2 5	12	3	12	5	46	3	42
P 3 10	12	6	12	10	44	6	42
P 4 15	12	9	13	15	42	9	42
P 5 20	12	12	21	20	42	12	42
P 6 25	12	15	31	25	42	15	42
P 7 30	12	18	42	30	42	18	44
P 8		21	58			21	52
P 9		24	85			24	64
P10		27	125			27	73
P11		30	156			30	89
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2606 DST #1

JK # 7653
I



Company: Gear Petroleum Company, Inc. | Lease & Well No.: #1 Riffey

Elevation: 1891 Kelly Bushing | Formation: Marmaton | Effective Pay: - Ft. | Ticket No.: 7691

Date: 10-16-80 | Sec.: 6 | Twp.: 29S | Range: 12W | County: Pratt | State: Kansas

Test Approved by: Mike Russell | Western Representative: Dave Sloan

Formation Test No.: 2 | Interval Tested from: 4245 ft. to: 4290 ft. | Total Depth: 4290 ft.

Packer Depth: 4240 ft. | Size: 6 3/4 in. | Packer Depth: - ft. | Size: - in.

Packer Depth: 4245 ft. | Size: 6 3/4 in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 4270 ft. | Recorder Number: 2604 | Cap.: 4150

Bottom Recorder Depth (Outside): 4276 ft. | Recorder Number: 6246 | Cap.: 5200

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

Drilling Contractor: Red Tiger Drilling Rig #1 | Drill Collar Length: - | I. D.: - in.

Mud Type: Monpac | Viscosity: 51 | Weight Pipe Length: 573 | I. D.: 3.2 in.

Weight: 9.4 | Water Loss: 10.0 cc. | Drill Pipe Length: 3650 | I. D.: 3.8 in.

Chlorides: 20,000 P.P.M. | Test Tool Length: 22 ft. | Tool Size: 5½OD in.

Jars: Make: | Serial Number: - | Anchor Length: 45 ft. | Size: 5½OD 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: 4½XH in.

Blow: Weak blow during 25 minutes of initial flow period. Few bubbles final flow period.

Recovered: 5 ft. of: drilling mud

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Remarks:

Time Set Packer(s): 12:45 ~~A.M.~~ P.M. | Time Started Off Bottom: 2:45 ~~A.M.~~ P.M. | Maximum Temperature: 123

Initial Hydrostatic Pressure			(A) 2108	P.S.I.		
Initial Flow Period	Minutes 30	(B) 40	P.S.I. to	(C) 40	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 40	P.S.I.			
Final Flow Period	Minutes 30	(E) 40	P.S.I. to	(F) 40	P.S.I.	
Final Closed In Period	Minutes 54	(G) 40	P.S.I.			
Final Hydrostatic Pressure			(H) 2101	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 10/16/80 Test Ticket No. 7691

Recorder No. 2604 Capacity 4150 Location 4270 Ft.

Clock No. - Elevation 1891 Kelly Bushing Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2108 P.S.I.		Open Tool	12:45P M	
B	First Initial Flow Pressure	40 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	40 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	40 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	40 P.S.I.		Final Closed-in Pressure	30 Mins.	54 Mins.
F	Second Final Flow Pressure	40 P.S.I.				
G	Final Closed-in Pressure	40 P.S.I.				
H	Final Hydrostatic Mud	2101 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	40
P 2 5	40
P 3 10	40
P 4 15	40
P 5 20	40
P 6 25	40
P 7 30	40
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	40
3	40
6	40
9	40
12	40
15	40
18	40
21	40
24	40
27	40
30	40

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

Point Minutes	Press.
0	40
5	40
10	40
15	40
20	40
25	40
30	40

Final Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

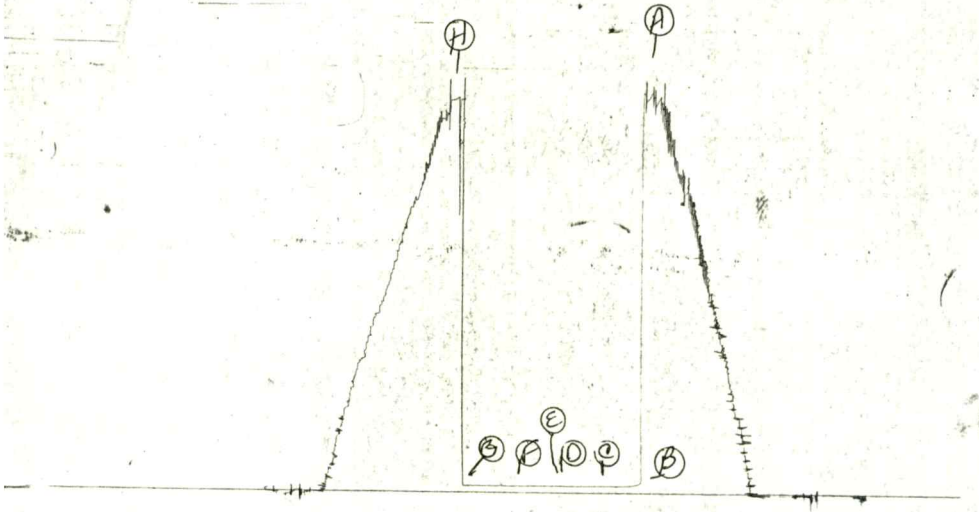
Point Minutes	Press.
0	40
3	40
6	40
9	40
12	40
15	40
18	40
21	40
24	40
27	40
30	40
33	40
36	40
39	40
42	40
45	40
48	40
51	40
54	40

26004

GEAR
#1 Riffey
DST 2

JK # 7691

I



Company Gear Petroleum Company, Inc. Lease & Well No. #1 Riffey

Elevation 1891 Kelly Bushing Formation Viola Effective Pay - Ft. Ticket No. 7692

Date 10-17-80 Sec. 6 Twp. 29S Range 12W County Pratt State Kansas

Test Approved by Micheal Russell Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 4427 ft. to 4440 ft. Total Depth 4440 ft.

Packer Depth 4422 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4427 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4429 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4435 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Red Tiger Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type Monpac Viscosity 47 Weight Pipe Length 605 I. D. 3.2 in.

Weight 9.4 Water Loss 14.4 cc. Drill Pipe Length 3800 I. D. 3.8 in.

Chlorides 25,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 13 ft. Size 5½OD 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. Tool Joint Size 4½XH in.

Blow: Strong blow throughout test. Gas to surface in 1 minute on final flow period.
See attached sheet for gas measurements.

Recovered 15 ft. of oil & gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: gas sample #107

Time Set Packer(s) 9:15 ~~A.M.~~ P.M. Time Started Off Bottom 1:00 A.M. ~~P.M.~~ Maximum Temperature 124

Initial Hydrostatic Pressure			(A) 2221	P.S.I.		
Initial Flow Period	Minutes 30	(B) 60	P.S.I. to	(C) 60	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1304	P.S.I.			
Final Flow Period	Minutes 45	(E) 34	P.S.I. to	(F) 34	P.S.I.	
Final Closed In Period	Minutes 93	(G) 1196	P.S.I.			
Final Hydrostatic Pressure			(H) 2181	P.S.I.		

GAS FLOW REPORT

Date 10/17/80 Ticket 7692 Company Gear Petroleum Company, Inc.

Well Name and No. Riffey #1 Dst No. 3 Interval Tested 4427'-4440'

County Pratt State Kansas Sec. 6 Twp. 29S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
Gas to surface in one minute.				**SECOND FLOW**		
	10 min.	5" of water		1/4" orifice		3,710 CFPD
	20 min.	9" of water		1/4" orifice		5,050 CFPD
	30 min.	8" of water		1/4" orifice		4,760 CFPD
	40 min.	8" of water		1/4" orifice		4,760 CFPD
	45 min.	8" of water		1/4" orifice		4,760 CFPD

GAS BOTTLE

Serial No. 107 Date Bottle Filled 10/17/80 Date to be Invoiced 10/17/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gear Petroleum Company, Inc.

Michael Russell

Authorized by _____

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 10/17/80 Test Ticket No. 7692

Recorder No. 2604 Capacity 4150 Location 4429 Ft.

Clock No. ---- Elevation 1891 Kelly Bushing Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2221	P.S.I.
B	First Initial Flow Pressure	60	P.S.I.
C	First Final Flow Pressure	60	P.S.I.
D	Initial Closed-in Pressure	1304	P.S.I.
E	Second Initial Flow Pressure	34	P.S.I.
F	Second Final Flow Pressure	34	P.S.I.
G	Final Closed-in Pressure	1196	P.S.I.
H	Final Hydrostatic Mud	2181	P.S.I.

	Time Given	Time Computed
Open Tool	9:15P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	90 Mins.	93 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	60
P 2 5	60
P 3 10	60
P 4 15	60
P 5 20	60
P 6 25	60
P 7 30	60
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	60
3	215
6	393
9	552
12	722
15	832
18	933
21	1013
24	1075
27	1121
30	1159
33	1190
36	1215
39	1234
42	1253
45	1265
48	1276
51	1284
54	1293
57	1299
60	1304

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

Point Minutes	Press.
0	34
5	34
10	34
15	34
20	34
25	34
30	34
35	34
40	34
45	34

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	34
3	107
6	271
9	408
12	527
15	638
18	719
21	797
24	857
27	914
30	960
33	998
36	1029
39	1056
42	1079
45	1096
48	1113
51	1127
54	1140
57	1150
60	1157

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 10/17/80 Test Ticket No. 7692

Recorder No. 2604 Capacity 4150 Location 4429 Ft.

Clock No. ---- Elevation 1891 Kelly Bushing Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2221 P.S.I.		Open Tool	9:15P M	
B	First Initial Flow Pressure	60 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	60 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1304 P.S.I.		Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	34 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	34 P.S.I.				
G	Final Closed-in Pressure	1196 P.S.I.				
H	Final Hydrostatic Mud	2181 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: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

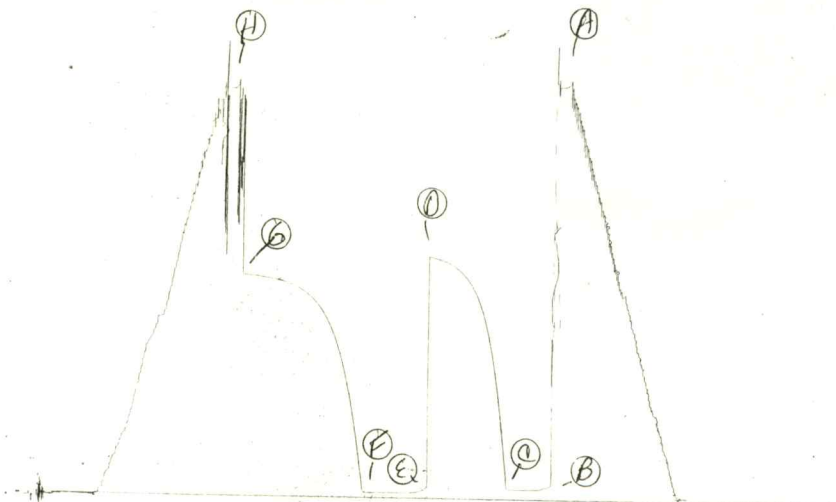
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1163
P 2						66	1169
P 3						69	1175
P 4						72	1178
P 5						75	1181
P 6						78	1184
P 7						81	1187
P 8						84	1190
P 9						87	1192
P10						90	1194
P11						93	1196
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

4604

Genyk
#1 Kitty
DST #3

Ut # 7692

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Company Gear Petroleum Company, Inc. Lease & Well No. #1 Riffey

Elevation 1891 Kelly Bushing Formation Viola Effective Pay - Ft. Ticket No. 7693

Date 10-18-80 Sec. 6 Twp. 29S Range 12W County Pratt State Kansas

Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 4 Interval Tested from 4440 ft. to 4460 ft. Total Depth 4460 ft.

Packer Depth 4435 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4440 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4442 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4448 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Red Tiger Drilling Drill Collar Length - I. D. - in.

Mud Type Monpac Viscosity 46 Weight Pipe Length 605 I. D. 3.2 in.

Weight 9.2 Water Loss 11.0 cc. Drill Pipe Length 3813 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½ in.

Jars: Make - Serial Number - Anchor Length 20 ft. Size 5½ 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. Tool Joint Size 4½XH in.

Blow: weak blow throughout initial flow period. Fair blow throughout final flow period.

Recovered 550 ft. of gas in pipe

Recovered 10 ft. of gas cut drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:20 ~~A.M.~~ P.M. Time Started Off Bottom 7:35 ~~A.M.~~ P.M. Maximum Temperature 127

Initial Hydrostatic Pressure ..... (A) 2186 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 38 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 421 P.S.I.

Final Flow Period ..... Minutes 45 (E) 38 P.S.I. to (F) 34 P.S.I.

Final Closed In Period ..... Minutes 93 (G) 1380 P.S.I.

Final Hydrostatic Pressure ..... (H) 2186 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 10/18/80 Test Ticket No. 7693

Recorder No. 2604 Capacity 4150 Location 4442 Ft.

Clock No. - Elevation 1891 Kelly Bushing Well Temperature 127 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2186 P.S.I.	Open Tool		4:20P M	
B	First Initial Flow Pressure	38 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	421 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E	Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure		90 Mins.	93 Mins.
F	Second Final Flow Pressure	34 P.S.I.				
G	Final Closed-in Pressure	1380 P.S.I.				
H	Final Hydrostatic Mud	2186 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	38
P 2 5	38
P 3 10	38
P 4 15	38
P 5 20	38
P 6 25	38
P 7 30	38
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	38
3	45
6	70
9	113
12	158
15	203
18	250
21	288
24	333
27	380
30	421

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

Point Minutes	Press.
0	38
5	38
10	38
15	38
20	38
25	38
30	36
35	35
40	35
45	34

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	34
3	60
6	121
9	196
12	269
15	335
18	402
21	461
24	523
27	579
30	638
33	694
36	742
39	795
42	845
45	884
48	935
51	977
54	1017
57	1063
60	1098

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 10/18/80 Test Ticket No. 7693

Recorder No. 2604 Capacity 4150 Location 4442 Ft.

Clock No. - Elevation 1891 Kelly Bushing Well Temperature 127 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2186 P.S.I.		Open Tool	4:20P M	
B	First Initial Flow Pressure	38 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	421 P.S.I.		Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	38 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	34 P.S.I.				
G	Final Closed-in Pressure	1380 P.S.I.				
H	Final Hydrostatic Mud	2186 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: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

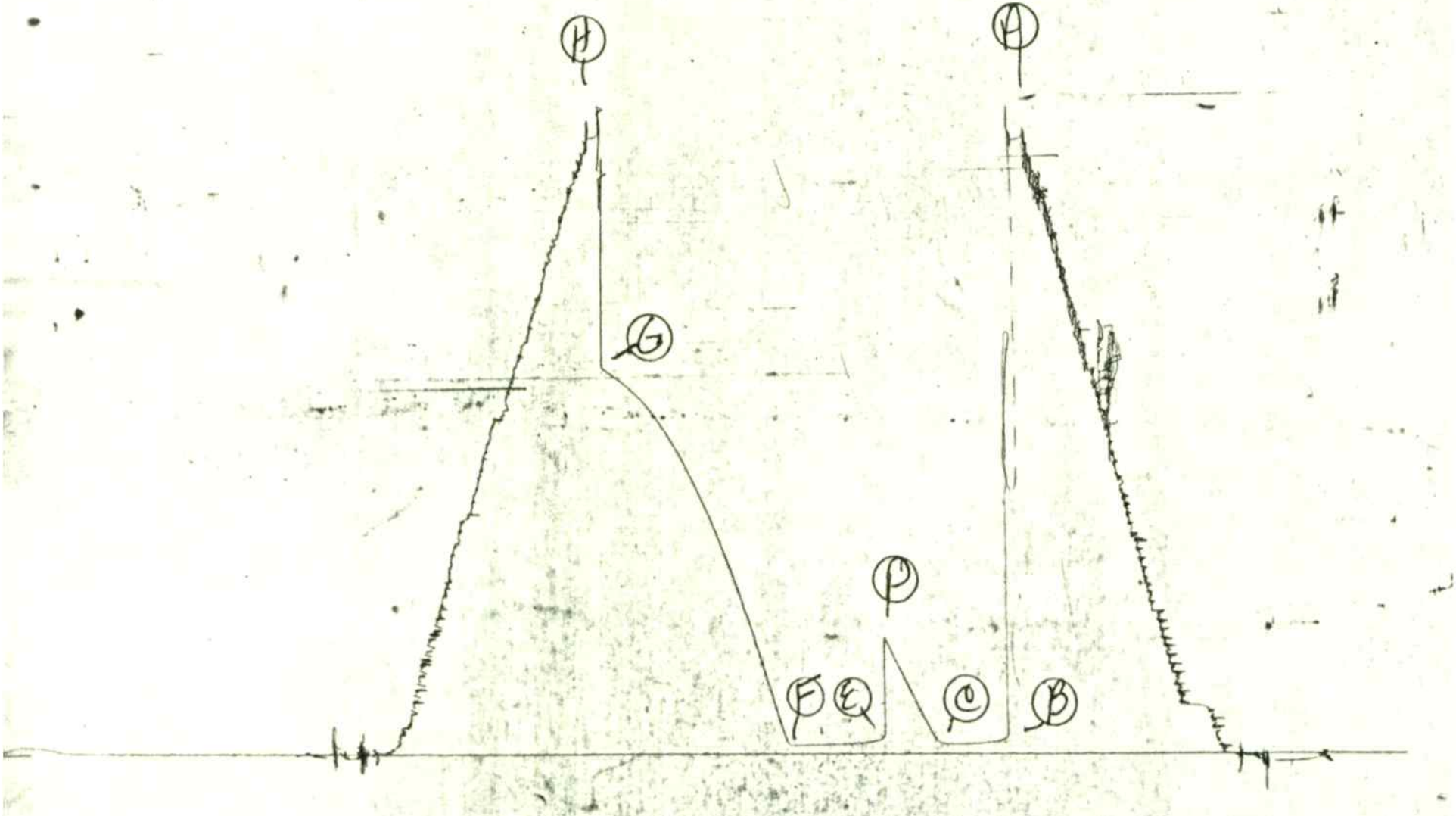
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1136
P 2						66	1169
P 3						69	1201
P 4						72	1230
P 5						75	1255
P 6						78	1278
P 7						81	1303
P 8						84	1322
P 9						87	1341
P10						90	1355
P11						93	1380
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

604

DK #7693

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#1 Kiffey
DST4



Company Gear Petroleum Company, Inc. Lease & Well No. #1 Riffey

Elevation 1891 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 7694

Date 10-19-80 Sec. 6 Twp. 29S Range 12W County Pratt State Kansas

Test Approved by Micheal L. Russell Western Representative Dave Sloan

Formation Test No. 5 Interval Tested from 4522 ft. to 4543 ft. Total Depth 4543 ft.

Packer Depth 4517 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4522 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4531 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4536 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor Red Tiger #1 Drill Collar Length - I. D. - in.

Mud Type Monpac Viscosity 46 Weight Pipe Length 605 I. D. 3.2 in.

Weight 9.2 Water Loss 9.0 cc. Drill Pipe Length 3895 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 21 ft. Size 5½OD 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. Tool Joint Size 4½XH in.

Blow: Strong blow through initial flow period & final flow period. Gas to surface during final close in period.

Recovered 130 ft. of gas & water cut oil - 50% gas, 35% oil, 10% water, 5% mud

Recovered 2110 ft. of gas cut water - scum of oil - Chlorides 64,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:15 ~~A.M.~~ P.M. Time Started Off Bottom 1:00 A.M. ~~P.M.~~ Maximum Temperature 133

Initial Hydrostatic Pressure			(A) 2186	P.S.I.		
Initial Flow Period	Minutes 30	(B) 436	P.S.I. to	(C) 1006	P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1090	P.S.I.			
Final Flow Period	Minutes 45	(E) 1077	P.S.I. to	(F) 1096	P.S.I.	
Final Closed In Period	Minutes 87	(G) 1101	P.S.I.			
Final Hydrostatic Pressure			(H) 2165	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 10-19-80 Test Ticket No. 7694

Recorder No. 2604 Capacity 4150 Location 4531 Ft.

Clock No. - Elevation 1891 Kelly Bushing Well Temperature 133 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2186 P.S.I.	Open Tool	9:15P M	
B First Initial Flow Pressure	436 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	1006 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1090 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	1077 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	1096 P.S.I.			
G Final Closed-in Pressure	1101 P.S.I.			
H Final Hydrostatic Mud	2165 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	436
P 2 5	559
P 3 10	686
P 4 15	801
P 5 20	882
P 6 25	943
P 7 30	1006
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	1006
3	1050
6	1063
9	1071
12	1073
15	1075
18	1077
21	1079
24	1081
27	1083
30	1085
33	1086
36	1087
39	1088
42	1089
45	1090
48	1090
51	1090
54	1090
57	1090
60	1090

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

Point Minutes	Press.
0	1077
5	1079
10	1082
15	1084
20	1086
25	1088
30	1090
35	1092
40	1094
45	1096

Final Shut-In
Breakdown: 29 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	1096
3	1096
6	1097
9	1097
12	1098
15	1098
18	1098
21	1099
24	1099
27	1100
30	1101
33	1101
36	1101
39	1101
42	1101
45	1101
48	1101
51	1101
54	1101
57	1101
60	1101

WTC - 4

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 10-19-80 Test Ticket No. 7694

Recorder No. 2604 Capacity 4150 Location 4531 Ft.

Clock No. - Elevation 1891 Kelly Bushing Well Temperature 133 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2186 P.S.I.	Open Tool	9:15P M	
B First Initial Flow Pressure	436 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	1006 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1090 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	1077 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	1096 P.S.I.			
G Final Closed-in Pressure	1101 P.S.I.			
H Final Hydrostatic Mud	2165 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: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 29 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						63	1101
P 2						66	1101
P 3						69	1101
P 4						72	1101
P 5						75	1101
P 6						78	1101
P 7						81	1101
P 8						84	1101
P 9						87	1101
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2604

Creek
#1 Riffey
DST 5

JK # 7694

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