Company Gear Petroleum Company , Inc. Lease & Well No. Taylor "A"#1

Elevation 2114 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 12038

Date 6/21/81 Sec. 24 Twp. 27S Range 17W County Kiowa State Kansas

Test Approved by John C. Carnes Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4408 ft. to 4445 ft. Total Depth 4445 ft.

Packer Depth 4403 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4408 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4435 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4438 ft. Recorder Number 3351 Cap. 4000

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

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

Mud Type premix-monpac Viscosity 47 Weight Pipe Length 1082 I. D. 2.7 in.

Weight 9.5 Water Loss 14.4 cc. Drill Pipe Length 3305 I. D. 3.8 in.

Chlorides 17,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 37 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 4½FH in.

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

Recovered 20 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:40 ~~A.M.~~ P.M. Time Started Off Bottom 7:40 ~~A.M.~~ P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure ..... (A) 2236 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 79 P.S.I. to (C) 79 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 79 P.S.I.

Final Flow Period ..... Minutes 30 (E) 79 P.S.I. to (F) 79 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 79 P.S.I.

Final Hydrostatic Pressure ..... (H) 2226 P.S.I.

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 6/21/81 Test Ticket No. 12038

Recorder No. 2607 Capacity 4150 Location 4435 Ft.

Clock No. ---- Elevation 2114 Ground Level Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2236 P.S.I.		Open Tool	5:40P M	
B	First Initial Flow Pressure	79 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	79 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	79 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	79 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	79 P.S.I.				
G	Final Closed-in Pressure	79 P.S.I.				
H	Final Hydrostatic Mud	2226 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	79
P 2	5	79
P 3	10	79
P 4	15	79
P 5	20	79
P 6	25	79
P 7	30	79
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	79
	3	79
	6	79
	9	79
	12	79
	15	79
	18	79
	21	79
	24	79
	27	79
	30	79

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

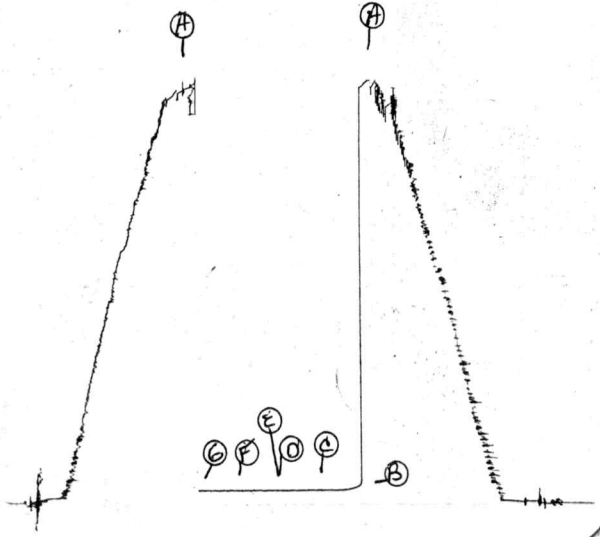
Point	Minutes	Press.
	0	79
	5	79
	10	79
	15	79
	20	79
	25	79
	30	79

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

Point	Minutes	Press.
	0	79
	3	79
	6	79
	9	79
	12	79
	15	79
	18	79
	21	79
	24	79
	27	79
	30	79

TK# 12038

I



Company Gear Petroleum Company, Inc. Lease & Well No. Taylor "A"#1

Elevation 2114 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 12039

Date 6/23/81 Sec. 24 Twp. 27S Range 17W County Kiowa State Kansas

Test Approved by John C. Carnes Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4611 ft. to 4643 ft. Total Depth 4643 ft.

Packer Depth 4606 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4611 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4633 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4636 ft. Recorder Number 3351 Cap. 4000

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

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

Mud Type premix-monpac Viscosity 46 Weight Pipe Length 1082 I. D. 2.7 in.

Weight 9.6 Water Loss 16.0 cc. Drill Pipe Length 3508 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 32 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 4½FH in.

Blow: MISRUN

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: COULD NOT GET TO BOTTOM. MISRUN

NO PRESSURES AVAILABLE

Time Set Packer(s) A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature

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

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

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

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

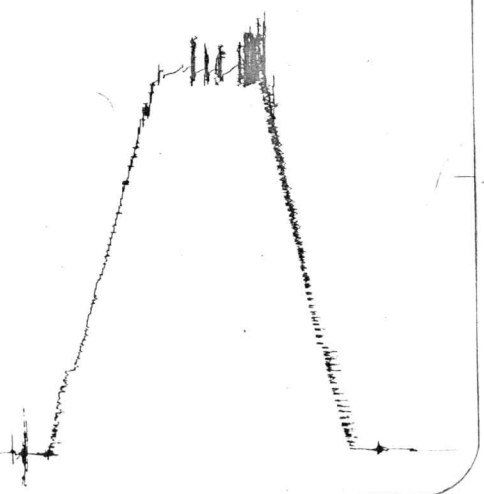
Final Closed In Period ..... Minutes (G) P.S.I.

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

WTC-1

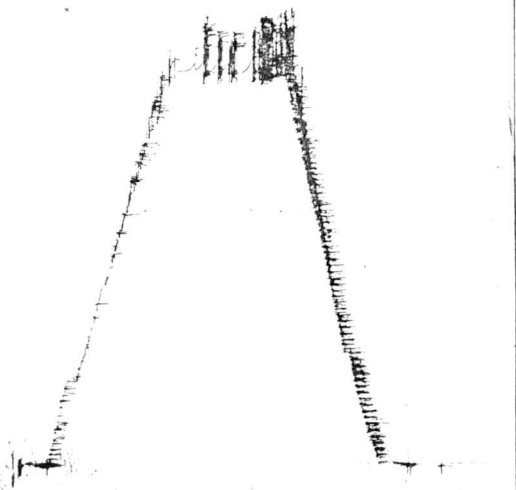
TKt # 12039

I



TKt # 12039

O



Company Gear Petroleum Company, Inc Lease & Well No. Taylor "A"#1

Elevation 2114 Ground Level Formation Mississippi Effective Pay -- Ft. Ticket No. 12040

Date 6/23/81 Sec. 24 Twp. 27S Range 17W County Kiowa State Kansas

Test Approved by John Carnes Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4611 ft. to 4643 ft. Total Depth 4643 ft.

Packer Depth 4606 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4611 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4633 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4636 ft. Recorder Number 3351 Cap. 4000

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

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

Mud Type premix-monpac Viscosity 48 Weight Pipe Length 1082 I. D. 2.7 in.

Weight 9.6 Water Loss 16.0 cc. Drill Pipe Length 3508 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number Anchor Length 32 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 4½FH in.

Blow: Weak increased to strong blow throughout test.

Recovered 80 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:15 ~~A.M.~~ P.M. Time Started Off Bottom 11:00 ~~A.M.~~ P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure		(A) 2415	P.S.I.	
Initial Flow Period	Minutes 30	(B) 91	P.S.I. to (C) 91	P.S.I.
Initial Closed In Period	Minutes 60	(D) 214	P.S.I.	
Final Flow Period	Minutes 45	(E) 99	P.S.I. to (F) 99	P.S.I.
Final Closed In Period	Minutes 90	(G) 137	P.S.I.	
Final Hydrostatic Pressure		(H) 2363	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.

Pressure Data

Date 6/23/81 Test Ticket No. 12040

Recorder No. 2607 Capacity 4150 Location 4633 Ft.

Clock No. ----- Elevation 2114 Ground Level Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2415	P.S.I.	Open Tool	7:15P M.	
B	First Initial Flow Pressure	91	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	91	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	214	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	99	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	99	P.S.I.			
G	Final Closed-in Pressure	137	P.S.I.			
H	Final Hydrostatic Mud	2363	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: 30 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	91		0	91		0	99		0	99
P 2	5	91		3	86		5	99		3	99
P 3	10	91		6	86		10	99		6	99
P 4	15	91		9	86		15	99		9	99
P 5	20	91		12	89		20	99		12	99
P 6	25	91		15	92		25	99		15	99
P 7	30	91		18	101		30	99		18	99
P 8				21	110		35	99		21	99
P 9				24	116		40	99		24	99
P10				27	121		45	99		27	100
P11				30	129					30	101
P12				33	144					33	106
P13				36	148					36	106
P14				39	154					39	109
P15				42	159					42	112
P16				45	165					45	115
P17				48	174					48	118
P18				51	182					51	124
P19				54	193					54	127
P20				57	201					57	131
				60	214					60	133

WTC - 4

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 6/23/81 Test Ticket No. 12040

Recorder No. 2607 Capacity 4150 Location 4633 Ft.

Clock No. ----- Elevation 2114 Ground Level Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2415	P.S.I.	Open Tool	7:15P M	
B	First Initial Flow Pressure	91	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	91	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	214	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	99	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	99	P.S.I.			
G	Final Closed-in Pressure	137	P.S.I.			
H	Final Hydrostatic Mud	2363	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.

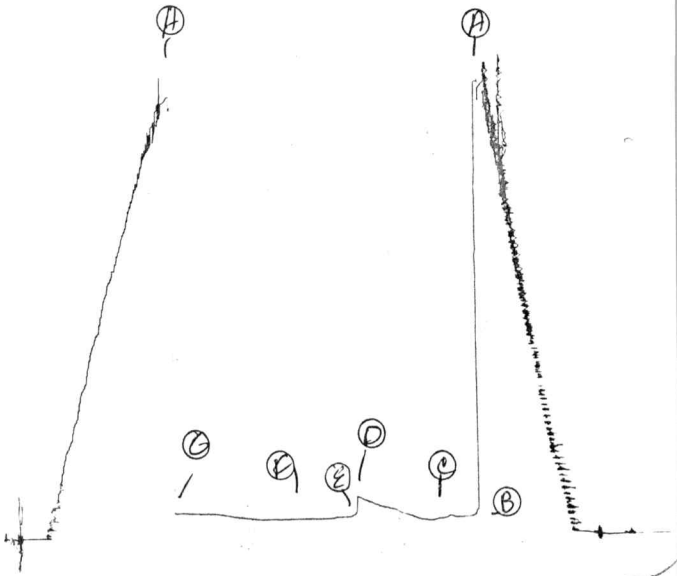
Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 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	133
P 2						66	133
P 3						69	133
P 4						72	134
P 5						75	135
P 6						78	135
P 7						81	136
P 8						84	136
P 9						87	137
P10						90	137
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK+ # 12040

I



Company: Gear Petroleum Company, Inc. | Lease & Well No.: Taylor "A"#1

Elevation: 2114 Ground Level | Formation: Kinderhook | Effective Pay: ---- Ft. | Ticket No.: 12041

Date: 6/24/81 | Sec.: 24 | Twp.: 27S | Range: 17W | County: Kiowa | State: Kansas

Test Approved by: John Carnes | Western Representative: Jim Wondra

Formation Test No.: 4 | Interval Tested from: 4674 ft. to: 4693 ft. | Total Depth: 4693 ft.

Packer Depth: 4669 ft. | Size: 6 3/4 in. | Packer Depth: - ft. | Size: - in.

Packer Depth: 4674 ft. | Size: 6 3/4 in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 4683 ft. | Recorder Number: 2607 | Cap.: 4150

Bottom Recorder Depth (Outside): 4686 ft. | Recorder Number: 3351 | Cap.: 4000

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

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

Mud Type: premix-monpac | Viscosity: 58 | Weight Pipe Length: 1082 | I. D.: 2.7 in.

Weight: 9.5 | Water Loss: 12.8 cc. | Drill Pipe Length: 3571 | I. D.: 3.8 in.

Chlorides: 21,000 P.P.M. | Test Tool Length: 21 ft. | Tool Size: 5½OD in.

Jars: Make: - | Serial Number: - | Anchor Length: 19 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: 4½FH in.

Blow: Fair blow throughout flow periods.

Recovered: 30 ft. of: drilling mud

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Remarks:

Time Set Packer(s): 8:50 ~~A.M.~~ P.M. | Time Started Off Bottom: 11:20 ~~A.M.~~ P.M. | Maximum Temperature: 125°

Initial Hydrostatic Pressure			(A)	2458	P.S.I.	
Initial Flow Period	Minutes 30		(B)	69	P.S.I. to (C) 69	P.S.I.
Initial Closed In Period	Minutes 45		(D)	95	P.S.I.	
Final Flow Period	Minutes 30		(E)	70	P.S.I. to (F) 70	P.S.I.
Final Closed In Period	Minutes 48		(G)	99	P.S.I.	
Final Hydrostatic Pressure			(H)	2384	P.S.I.	

WTC

WESTERN TESTING CO., INC.

Pressure Data

Date 6/24/81 Test Ticket No. 12041

Recorder No. 2607 Capacity 4150 Location 4683 Ft.

Clock No. -- Elevation 2114 Ground Level Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2458 P.S.I.	Open Tool	8:50P M	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	69 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	95 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	70 P.S.I.			
G Final Closed-in Pressure	99 P.S.I.			
H Final Hydrostatic Mud	2384 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 6 Inc.		Breakdown: 16 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	69	0	69	0	70	0	70
P 2 5	69	3	69	5	70	3	70
P 3 10	69	6	69	10	70	6	70
P 4 15	69	9	69	15	70	9	70
P 5 20	69	12	69	20	70	12	70
P 6 25	69	15	69	25	70	15	70
P 7 30	69	18	72	30	70	18	72
P 8		21	74			21	74
P 9		24	76			24	76
P10		27	78			27	77
P11		30	80			30	78
P12		33	82			33	82
P13		36	83			36	87
P14		39	88			39	89
P15		42	93			42	93
P16		45	95			45	96
P17						48	99
P18							
P19							
P20							

TKT #12041