Company C. Oil, Inc. Lease & Well No. Pauly #1

Elevation --- Formation Lansing Effective Pay ---- Ft. Ticket No. 9307

Date 2-1-81 Sec. 26 Twp. 29 S Range 3 W County Sedgwick State KS

Test Approved by Charles I. Slagel Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 3115 ft. to 3135 ft. Total Depth 3135 ft.

Packer Depth 3110 ft. Size 6 3/4 in. Packer Depth ---- ft. Size --- in.

Packer Depth 3115 ft. Size 6 3/4 in. Packer Depth ---- ft. Size --- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 3120 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 3125 ft. Recorder Number 11019 Cap. 4500

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

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

Mud Type -- Viscosity -- Weight Pipe Length --- I. D. --- in.

Weight -- Water Loss -- cc. Drill Pipe Length ---- I. D. --- in.

Chlorides ---- P.P.M. Test Tool Length 21 ft. Tool Size 3½ in.

Jars: Make -- Serial Number ---- Anchor Length 20 ft. Size 4½ in.

Did Well Flow? ---- Reversed Out --- Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

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

Blow: Died in 14 minutes, flushed tool, no help.

Recovered 10 ft. of Drilling Mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:30 A.M. ~~P.M.~~ Time Started Off Bottom 7:00 A.M. ~~P.M.~~ Maximum Temperature ?

Initial Hydrostatic Pressure (A) 1674 P.S.I.

Initial Flow Period Minutes 30 (B) 56 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 63 (D) 717 P.S.I.

Final Flow Period Minutes 30 (E) 58 P.S.I. to (F) 46 P.S.I.

Final Closed In Period Minutes 54 (G) 400 P.S.I.

Final Hydrostatic Pressure (H) 1637 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2-1-81 Test Ticket No. 9307

Recorder No. 11018 Capacity 4425 Location 3120 Ft.

Clock No. ----- Elevation ----- Well Temperature --- °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1674 P.S.I.		Open Tool	4:30 A M	
B	First Initial Flow Pressure	56 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	40 P.S.I.		Initial Closed-in Pressure	45 Mins.	63 Mins.
D	Initial Closed-in Pressure	717 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	58 P.S.I.		Final Closed-in Pressure	45 Mins.	54 Mins.
F	Second Final Flow Pressure	46 P.S.I.				
G	Final Closed-in Pressure	400 P.S.I.				
H	Final Hydrostatic Mud	1637 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	56
P 2 5	47
P 3 10	43
P 4 15	40
P 5 20	39
P 6 25	39
P 7 30	40
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 21 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	40
3	41
6	43
9	44
12	47
15	50
18	53
21	58
24	62
27	73
30	91
33	127
36	176
39	242
42	311
45	382
48	453
51	518
54	573
57	631
60	679
63	717

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

Point Minutes	Press.
0	58
5	49
	Flushed Tool
10	56
15	49
20	47
25	46
30	46

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

Point Minutes	Press.
0	46
3	47
6	48
9	51
12	56
15	58
18	60
21	63
24	71
27	80
30	91
33	109
36	133
39	164
42	202
45	251
48	302
51	353
54	400

IKT # 9307 11018-9307

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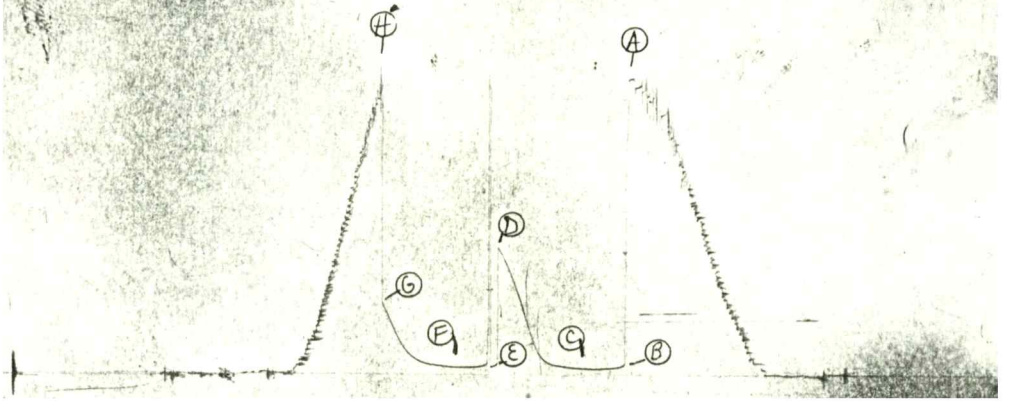

Company C. Oil, Inc. Lease & Well No. Pauly #1

Elevation --- Formation Lansing Effective Pay ---- Ft. Ticket No. 9308

Date 2-2-81 Sec. 26 Twp. 29 S Range 3 W County Sedgwick State KS

Test Approved by Charles I. Slagel Western Representative Stuart Stover

Formation Test No. 2 Interval Tested from 3248 ft. to 3258 ft. Total Depth 3258 ft.

Packer Depth 3243 ft. Size 6 3/4 in. Packer Depth ---- ft. Size ---- in.

Packer Depth 3248 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 3253 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 3258 ft. Recorder Number 11019 Cap. 4500

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

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

Mud Type --- Viscosity --- Weight Pipe Length 300 I. D. 3.0 in.

Weight --- Water Loss --- cc. Drill Pipe Length 2927 I. D. 4.0 in.

Chlorides ---- P.P.M. Test Tool Length 21 ft. Tool Size 3½ in.

Jars: Make --- Serial Number --- Anchor Length 10 ft. Size 4½ in.

Did Well Flow? --- Reversed Out --- Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

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

Blow: Fair steady blow (3Inch)

Recovered 390 ft. of Slightly Gassy Salt Water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:30 A.M. P.M. Time Started Off Bottom 9:30 A.M. P.M. Maximum Temperature 107° F.

Initial Hydrostatic Pressure			(A)	1736	P.S.I.	
Initial Flow Period	Minutes	30	(B)	64	P.S.I. to (C)	102 P.S.I.
Initial Closed In Period	Minutes	57	(D)	1273	P.S.I.	
Final Flow Period	Minutes	55	(E)	160	P.S.I. to (F)	227 P.S.I.
Final Closed In Period	Minutes	90	(G)	1269	P.S.I.	
Final Hydrostatic Pressure			(H)	1714	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 2-2-81 Test Ticket No. 9308

Recorder No. 11018 Capacity 4425 Location 3253 Ft.

Clock No. ----- Elevation ----- Well Temperature 107 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1736 P.S.I.	Open Tool		6:30 M	
B	First Initial Flow Pressure	64 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	102 P.S.I.	Initial Closed-in Pressure		60 Mins.	57 Mins.
D	Initial Closed-in Pressure	1273 P.S.I.	Second Flow Pressure		60 Mins.	55 Mins.
E	Second Initial Flow Pressure	160 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
F	Second Final Flow Pressure	227 P.S.I.				
G	Final Closed-in Pressure	1269 P.S.I.				
H	Final Hydrostatic Mud	1714 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	64
P 2	5	60
P 3	10	60
P 4	15	69
P 5	20	82
P 6	25	93
P 7	30	102
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	102
	3	622
	6	1243
	9	1253
	12	1259
	15	1264
	18	1266
	21	1268
	24	1269
	27	1270
	30	1271
	33	1271
	36	1272
	39	1272
	42	1272
	45	1273
	48	1273
	51	1273
	54	1273
	57	1273

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	160
	5	156
	10	158
	15	164
	20	171
	25	178
	30	187
	35	193
	40	202
	45	211
	50	218
	55	227

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

Point	Minutes	Press.
	0	227
	3	1216
	6	1244
	9	1255
	12	1260
	15	1262
	18	1264
	21	1266
	24	1267
	27	1268
	30	1269
	33	1269
	36	1269
	39	1269
	42	1269
	45	1269
	48	1269
	51	1269
	54	1269
	57	1269
	60	1269

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PKT # 9308.

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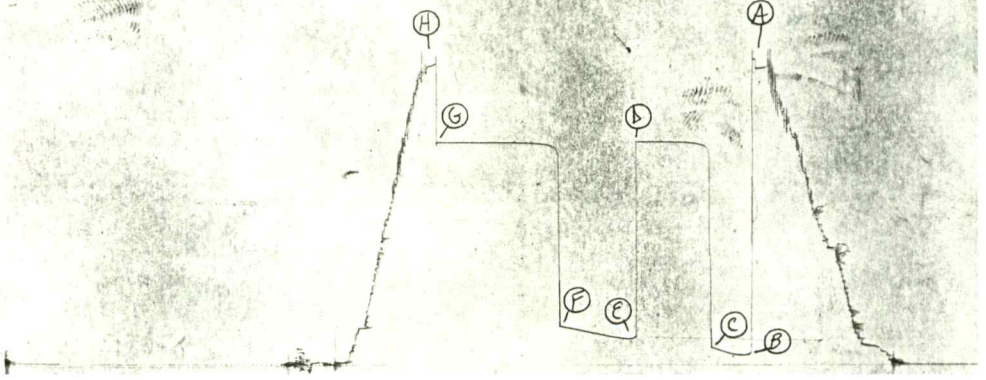

Company C Oil, Inc. Lease & Well No. Pauly #1

Elevation 1134 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 6776

Date 2/4/81 Sec. 26 Twp. 29S Range 3W County Sedgwick State Kansas

Test Approved by Charles Slagle Western Representative Kenny Kirkendall

Formation Test No. 3 Interval Tested from 3735 ft. to 3745 ft. Total Depth 3745 ft.

Packer Depth 3735 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3730 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3740 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3744 ft. Recorder Number 1560 Cap. 4500

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

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

Mud Type Starch Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 8.6 cc. Drill Pipe Length 3713 I. D. - in.

Chlorides 37,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 10 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 4½XH in.

Blow: No blow, flushed tool. No blow

Recovered 60 ft. of drilling mud with good show of oil on top of tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 ~~A.M.~~ P.M. Time Started Off Bottom 8:00 ~~A.M.~~ P.M. Maximum Temperature 122

Initial Hydrostatic Pressure ..... (A) 1981 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 14 P.S.I. to (C) 36 P.S.I.

Initial Closed In Period ..... Minutes 48 (D) 1345 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) 1973 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/4/81 Test Ticket No. 6776

Recorder No. 2605 Capacity 4150 Location 3740 Ft.

Clock No. - Elevation 1134 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1981 P.S.I.	Open Tool	6:45P M	
B First Initial Flow Pressure	14 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	36 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1345 P.S.I.	Second Flow Pressure	- Mins.	- Mins.
E Second Initial Flow Pressure	- P.S.I.	Final Closed-in Pressure	- Mins.	- Mins.
F Second Final Flow Pressure	- P.S.I.			
G Final Closed-in Pressure	- P.S.I.			
H Final Hydrostatic Mud	1973 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	14 Flushed Tool
P 2 5	38
P 3 10	36
P 4 15	34
P 5 20	33
P 6 25	33
P 7 30	36
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	36
3	59
6	233
9	624
12	960
15	1118
18	1188
21	1226
24	1246
27	1267
30	1288
33	1306
36	1321
39	1327
42	1337
45	1342
48	1345

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

Point Minutes	Press.

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

Point Minutes	Press.

WTC - 4

IKT #6776

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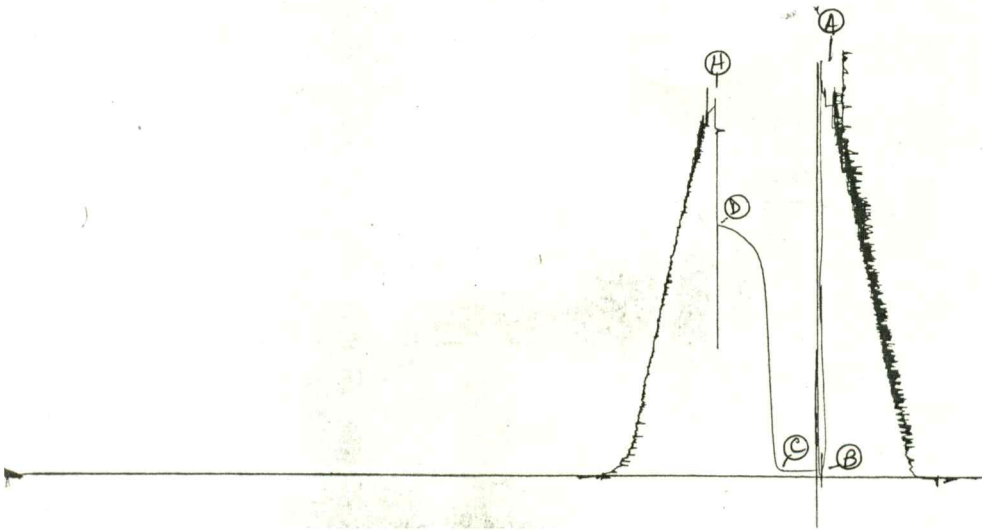

Company C Oil, Inc. Lease & Well No. Pauly #1

Elevation 1134 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 6777

Date 2/5/81 Sec. 26 Twp. 29S Range 3W County Sedgwick State Kansas

Test Approved by Charles Slagle Western Representative Kenny Kirkendall

Formation Test No. 4 Interval Tested from 3735 ft. to 3760 ft. Total Depth 3760 ft.

Packer Depth 3735 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3730 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3740 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3744 ft. Recorder Number 1560 Cap. 4500

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

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

Mud Type Starch Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 8.6 cc. Drill Pipe Length 3723 I. D. - in.

Chlorides 37,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 25 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 4½XH in.

Blow: Weak blow died in 7 minutes initial flow period

Recovered 15 ft. of oil cut mud - 7% oil; 93% mud

Recovered 60 ft. of oil cut mud - 3% oil; 97% mud

Recovered 60 ft. of oil cut mud - 2% oil; 98% mud

Recovered ft. of

Recovered ft. of

Remarks: Read outside chart

Time Set Packer(s) 8:20 A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure			(A)	1950	P.S.I.	
Initial Flow Period	Minutes	30	(B)	46	P.S.I. to (C)	48 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1320	P.S.I.	
Final Flow Period	Minutes	30	(E)	92	P.S.I. to (F)	74 P.S.I.
Final Closed In Period	Minutes	60	(G)	1310	P.S.I.	
Final Hydrostatic Pressure			(H)	1950	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 2/5/81 Test Ticket No. 6777

Recorder No. 1560 Capacity 4500 Location 3744 Ft.

Clock No. - Elevation 1134 Kelly Bushing Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1950 P.S.I.		Open Tool	8:20 M	
B	First Initial Flow Pressure	46 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	48 P.S.I.		Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1320 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	92 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	74 P.S.I.				
G	Final Closed-in Pressure	1310 P.S.I.				
H	Final Hydrostatic Mud	1950 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	46
P 2	5	41
P 3	10	34
P 4	15	34
P 5	20	38
P 6	25	41
P 7	30	48
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	48
	3	92
	6	192
	9	416
	12	831
	15	1038
	18	1121
	21	1176
	24	1212
	27	1236
	30	1254
	33	1270
	36	1288
	39	1304
	42	1313
	45	1320

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

Point	Minutes	Press.
	0	92
	5	78
	10	69
	15	67
	20	69
	25	71
	30	74

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

Point	Minutes	Press.
	0	74
	3	111
	6	208
	9	412
	12	768
	15	975
	18	1083
	21	1135
	24	1166
	27	1193
	30	1213
	33	1231
	36	1245
	39	1259
	42	1268
	45	1279
	48	1288
	51	1296
	54	1301
	57	1305
	60	1310

IKT # 6777 1560