WESTERN TESTERS

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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. May #1

Elevation 1231 Ground Level Formation Kinderhook or / Simpson Effective Pay ~~~~~ Ft. Ticket No. 150

Date 3/20/78 Sec. 22 Twp. 32s Range 2w County Sumner State Kansas

Test Approved by Neil H. Sikes Western Representative Sam McClune

Formation Test No. 1 Interval Tested from 4246 ft. to 4272 ft. Total Depth 4272 ft.

Packer Depth 4241 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Packer Depth 4246 ft. Size 6 3/4 in. Packer Depth ~ ft. Size ~ in.

Depth of Selective Zone Set ~

Top Recorder Depth (Inside) 4265 ft. Recorder Number 3085 Cap. 4500

Bottom Recorder Depth (Outside) 4268 ft. Recorder Number 1558 Cap. 4200

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

Drilling Contractor Rains & Williamson #3 Drill Collar Length 210 I. D. 2.25 in.

Mud Type chemical Viscosity 43 Weight Pipe Length 480 I. D. 2.7 in.

Weight 9.4 Water Loss 10.8 cc. Drill Pipe Length 3746 I. D. 3.8 in.

Chlorides 5,800 P.P.M. Test Tool Size 5½ OD in. Tool Joint Size 4½ FH in.

Jars: Make ~ Serial Number ~ Anchor Length 26 ft. Size 5½ OD 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.

Blow: Very weak 10minutes oninitial flow period; weak for one minute on final flow period.
Flushed tool @ 15 minutes into final flow period.

Recovered 10 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:28 ~~A.M.~~ P.M. Time Started Off Bottom 5:30 ~~A.M.~~ P.M. Maximum Temperature 125

Initial Hydrostatic Pressure ..... (A) 2066 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 42 P.S.I.

Final Flow Period ..... Minutes 30 (E) 38 P.S.I. to (F) 41 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 42 P.S.I.

Final Hydrostatic Pressure ..... (H) 1995 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/20/78 Test Ticket No. 150

Recorder No. 3085 Capacity 4500 Location 4265 Ft.

Clock No. ------- Elevation 1231 Ground Level Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2066 P.S.I.	Open Tool	3:28P M	
B First Initial Flow Pressure	29 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	27 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	42 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	41 P.S.I.			
G Final Closed-in Pressure	42 P.S.I.			
H Final Hydrostatic Mud	1995 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.

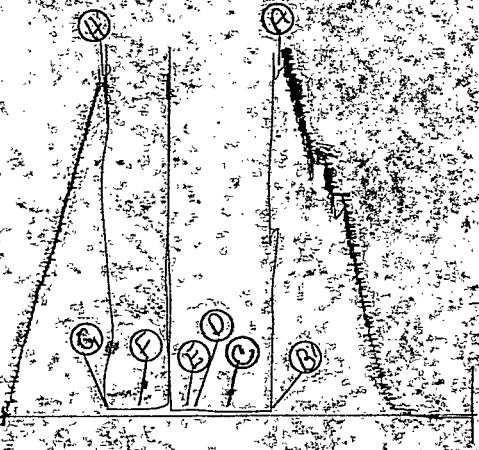
Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	29		0	27		0	38		0	41
P 2	5	27		3	25		5	34		3	39
P 3	10	27		6	25		10	33		6	38
P 4	15	27		9	27		15	flushed tool 72		9	39
P 5	20	27		12	29		20	50		12	39
P 6	25	27		15	31		25	43		15	39
P 7	30	27		18	33		30	41		18	39
P 8				21	36					21	41
P 9				24	37					24	42
P10				27	39					27	42
P11				30	42						
P12											
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											

5806

TR # 150

435 Ft Court - Width 42 Ft



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

Company Rains & Williamson Oil Co., Inc. Lease & Well No. May #1

Elevation 1231 Ground Level Formation Simpson Effective Pay -- Ft. Ticket No. 151

Date 3/21/78 Sec. 22 Twp. 32s Range 2w County Sumner State Kansas

Test Approved by Neil H. Sikes Western Representative Sam McClune

Formation Test No. 2 Interval Tested from 4254' ft. to 4280' ft. Total Depth 4280' ft.

Packer Depth 4249 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4254 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4273 ft. Recorder Number 3085 Cap. 4500

Bottom Recorder Depth (Outside) 4276 ft. Recorder Number 1558 Cap. 4200

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

Drilling Contractor Rains & Williamson #3 Drill Collar Length 210 I. D. 2.25 in.

Mud Type chemical Viscosity 46 Weight Pipe Length 450 I. D. 2.7 in.

Weight 9.6 Water Loss 10.8 cc. Drill Pipe Length 3574 I. D. 3.8 in.

Chlorides 5,800 P.P.M. Test Tool Size 5½ OD in. Tool Joint Size 4½ FH in.

Jars: Make -- Serial Number -- Anchor Length 26 ft. Size 5½ OD 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.

Blow: Good increasing blow throughout test.

Recovered 80 ft. of ~~gas in pipe~~

Recovered 80 ft. of oil and gas cut mud

Recovered 30 ft. of very light gas cut mud

Recovered 390 ft. of gas cut dirty water

Recovered ft. of

Remarks: Top of bottom hole collar had leak.

Time Set Packer(s) 9:43 A.M. ~~P.M.~~ Time Started Off Bottom 11:45 A.M. ~~P.M.~~ Maximum Temperature 137

Initial Hydrostatic Pressure ..... (A) 2082 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 67 P.S.I. to (C) 149 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1393 P.S.I.

Final Flow Period ..... Minutes 30 (E) 222 P.S.I. to (F) 273 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 1383 P.S.I.

Final Hydrostatic Pressure ..... (H) 2034 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/21/78 Test Ticket No. 151

Recorder No. 3085 Capacity 4500 Location 4273 Ft.

Clock No. ---- Elevation 1231 Ground Level Well Temperature 137 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2082 P.S.I.	Open Tool	9:43A M	
B	First Initial Flow Pressure	67 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	149 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	1393 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	222 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	273 P.S.I.			
G	Final Closed-in Pressure	1383 P.S.I.			
H	Final Hydrostatic Mud	2034 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 11 Inc.	Breakdown: 6 Inc.	Breakdown: 10 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	67		0	149		0	222		0	273
P 2	5	60		3	704		5	210		3	932
P 3	10	72		6	1259		10	213		6	1282
P 4	15	97		9	1311		15	229		9	1319
P 5	20	120		12	1334		20	244		12	1339
P 6	25	141		15	1349		25	261		15	1352
P 7	30	149		18	1362		30	273		18	1361
P 8				21	1370					21	1368
P 9				24	1379					24	1372
P10				27	1384					27	1377
P11				30	1389					30	1383
P12				33	1393						
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											

3085

TK # 61

I

