Company Revlin Drilling, Inc. Lease & Well No. Meier #1

Elevation 1877 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 5190

Date 4/27/80 Sec. 30 Twp. 15S Range 12W County Russell State Kansas

Test Approved by S. C. Lingreen Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 3324 ft. to 3362 ft. Total Depth 3362 ft.

Packer Depth 3319 ft. Size 6 3/4 in. Packer Depth 3324 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3352 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3355 ft. Recorder Number 3659 Cap. 4000

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

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

Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 7.8 cc. Drill Pipe Length 3302 I. D. 3.8 in.

Chlorides 74,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number - Anchor Length 38 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: Steady (1/2")throughout first flow period. Few bubbles. Died in four minutes. Flushed tool;died in five minutes on second opening.

Recovered 15 ft. of mud with top five feet slightly oil cut

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:13 ~~A.M.~~ P.M. Time Started Off Bottom 11:15 ~~A.M.~~ P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure			(A)	1819	P.S.I.	
Initial Flow Period	Minutes 30		(B)	50	P.S.I. to (C)	36 P.S.I.
Initial Closed In Period	Minutes 30		(D)	182	P.S.I.	
Final Flow Period	Minutes 30		(E)	52	P.S.I. to (F)	47 P.S.I.
Final Closed In Period	Minutes 27		(G)	108	P.S.I.	
Final Hydrostatic Pressure			(H)	1803	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 4/27/80 Test Ticket No. 5190

Recorder No. 3474 Capacity 3000 Location 3324 Ft.

Clock No. -- Elevation 1877 Kelly Bushing Well Temperature 113 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1819	P.S.I.
B	First Initial Flow Pressure	50	P.S.I.
C	First Final Flow Pressure	36	P.S.I.
D	Initial Closed-in Pressure	182	P.S.I.
E	Second Initial Flow Pressure	52	P.S.I.
F	Second Final Flow Pressure	47	P.S.I.
G	Final Closed-in Pressure	108	P.S.I.
H	Final Hydrostatic Mud	1803	P.S.I.

	Time Given		Time Computed	
Open Tool	9:13P	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.	27	Mins.

PRESSURE BREAKDOWN

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

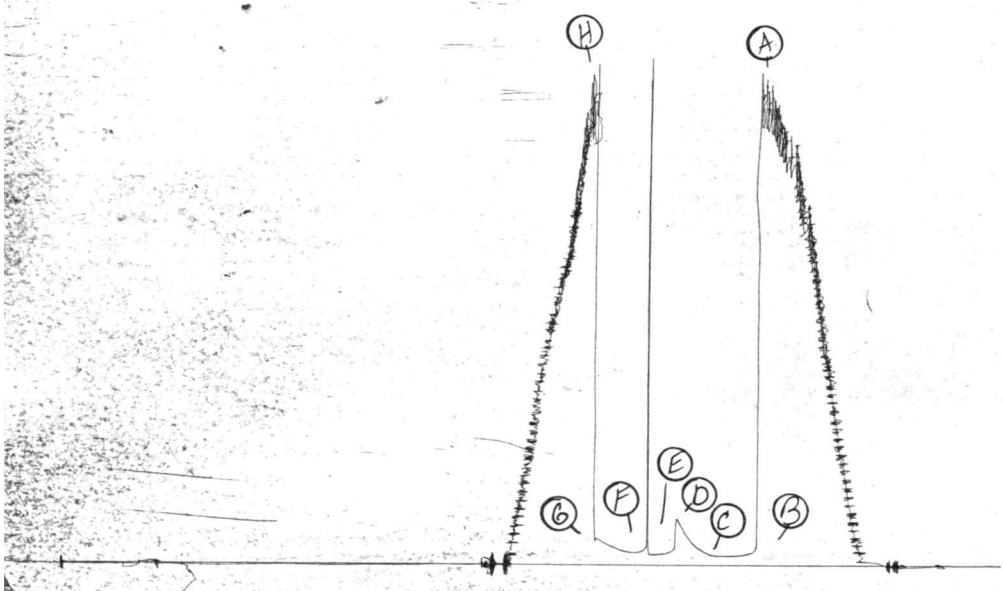
Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

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	50	0	36	0	52	0	47
P 2 5	44	3	41	5	47	3	50
P 3 10	39	6	47	10	42	6	53
P 4 15	36	9	56	15	41	9	59
P 5 20	36	12	67	20	41	12	65
P 6 25	36	15	79	25Flushed tool		15	72
P 7 30	36	18	97	30	47	18	80
P 8		21	129			21	89
P 9		24	148			24	98
P10		27	176			27	108
P11		30	182			30	
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TH #5190
I



Company Revlin Drilling, Inc. Lease & Well No. Meier #1

Elevation 1877 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 5191

Date 4/28/80 Sec. 30 Twp. 15S Range 12W County Russell State Kansas

Test Approved by S. C. Linegreen Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3360 ft. to 3368 ft. Total Depth 3368 ft.

Packer Depth 3355 ft. Size 6 3/4 in. Packer Depth 3360 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3350 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3361 ft. Recorder Number 3659 Cap. 4000

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

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

Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 7.8 cc. Drill Pipe Length 3333 I. D. 3.8 in.

Chlorides 74,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number Anchor Length 8 ft. Size 5½OD in.

Did Well Flow? - 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: Good throughout flow periods.

Recovered 130 ft. of muddy water Trace of oil

Recovered 185 ft. of salt water Chlorides 28,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:53 A.M. P.M. Time Started Off Bottom 10:25 A.M. P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure ..... (A) 1800 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 52 P.S.I. to (C) 68 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 963 P.S.I.

Final Flow Period ..... Minutes 60 (E) 106 P.S.I. to (F) 145 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 926 P.S.I.

Final Hydrostatic Pressure ..... (H) 1748 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/28/80 Test Ticket No. 5191

Recorder No. 3474 Capacity 3000 Location 3350 Ft.

Clock No. ---- Elevation 1877 Kelly Bushing Well Temperature 104° °F

Point		Pressure	
A	Initial Hydrostatic Mud	1800	P.S.I.
B	First Initial Flow Pressure	52	P.S.I.
C	First Final Flow Pressure	68	P.S.I.
D	Initial Closed-in Pressure	963	P.S.I.
E	Second Initial Flow Pressure	106	P.S.I.
F	Second Final Flow Pressure	145	P.S.I.
G	Final Closed-in Pressure	926	P.S.I.
H	Final Hydrostatic Mud	1748	P.S.I.

	Time Given		Time Computed	
Open Tool	8:53A	M		
First Flow Pressure	30	Mins.	30	Mins.
Initial Closed-in Pressure	30	Mins.	30	Mins.
Second Flow Pressure	60	Mins.	60	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.

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 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	52	0	68	0	106	0	145
P 2 5	48	3	292	5	102	3	342
P 3 10	47	6	450	10	102	6	471
P 4 15	53	9	570	15	105	9	579
P 5 20	58	12	661	20	109	12	667
P 6 25	64	15	739	25	114	15	733
P 7 30	68	18	803	30	120	18	780
P 8		21	852	35	126	21	826
P 9		24	891	40	131	24	865
P10		27	924	45	135	27	895
P11		30	952	50	139	30	926
P12		33	963	55	142		
P13				60	145		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TR#5191