



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

Company Dunne Equities, Inc. Lease & Well No. Mettling #2
Elevation 1221 Kelly Bushing Formation Cattleman Effective Pay ----- Ft. Ticket No. 247
Date 7/8/78 Sec. 36 Twp 30S Range 3E County Cowley State Kansas
Test Approved by D. Seeber Western Representative Tim Wilson

Formation Test No. 1 Interval Tested from 2924' ft. to 2950' ft. Total Depth 2950' ft.

Packer Depth 2924 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

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

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 2943 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2946 ft. Recorder Number 1558 Cap. 4200

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

Drilling Contractor White & Ellis #4

Drill Collar Length 115 I. D. 2 1/4 in.

Mud Type chemical Viscosity 39

Weight Pipe Length ----- I. D. ----- in.

Weight 10 .1 Water Loss 12.0 cc.

Drill Pipe Length 2795 I. D. 3.8 in.

Chlorides 3200 P.P.M.

Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.

Jars: Make -- Serial Number --

Anchor Length 26 ft. Size 5 1/2 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 on initial flow period. increasing to fair on final flow period.

Recovered 180 ft. of gas in pipe

Recovered 20 ft. of oil cut drilling mud

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Remarks: -----

Time Set Packer(s) 11:54 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:56 ~~P.M.~~ ^{A.M.} Maximum Temperature 109

Initial Hydrostatic Pressure ----- (A) 1532 P.S.I.

Initial Flow Period ----- Minutes 30 (B) 9 P.S.I. to (C) 24 P.S.I.

Initial Closed In Period ----- Minutes 60 (D) 619 P.S.I.

Final Flow Period ----- Minutes 60 (E) 48 P.S.I. to (F) 29 P.S.I.

Final Closed In Period ----- Minutes 90 (G) 1036 P.S.I.

Final Hydrostatic Pressure ----- (H) 1523 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-8-78 Test Ticket No. 247

Recorder No. 1559 Capacity 4200 Location 2943 F

Clock No. - Elevation 1221 Kelly Bushing Well Temperature 109 °

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1532 P.S.I.	11:54A. M	
B First Initial Flow Pressure	9 P.S.I.	30 Mins.	30 Min
C First Final Flow Pressure	24 P.S.I.	60 Mins.	60 Min
D Initial Closed-in Pressure	619 P.S.I.	60 Mins.	60 Min
E Second Initial Flow Pressure	48 P.S.I.	90 Mins.	90 Min
F Second Final Flow Pressure	29 P.S.I.		
G Final Closed-in Pressure	1036 P.S.I.		
H Final Hydrostatic Mud	1523 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	9	0	24	0	48	0	29
P 2 5	9	3	21	5	31	3	36
P 3 10	9	6	25	10	29	6	42
P 4 15	9	9	33	15	29	9	53
P 5 20	9	12	44	20	29	12	63
P 6 25	21	15	54	25	28	15	73
P 7 30	24	18	69	30	28	18	86
P 8		21	82	35	28	21	100
P 9		24	98	40	28	24	115
P10		27	115	45	28	27	132
P11		30	134	50	29	30	150
P12		33	157	55	29	33	165
P13		36	182	60	29	36	188
P14		39	213			39	213
P15		42	249			42	242
P16		45	295			45	272
P17		48	343			48	305
P18		51	403			51	341
P19		54	479			54	393
P20		57	554			57	445
		60	619			60	508

WESTERN TESTING CO., INC.

Pressure Data

Date 7-8-78 Test Ticket No. 247

Recorder No. 1559 Capacity 4200 Location 2943

Clock No. - Elevation 1221 Kelly Bushing Well Temperature 109

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1532</u> P.S.I.	<u>11:54A.</u> M	
B First Initial Flow Pressure	<u>9</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Min
C First Final Flow Pressure	<u>24</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Min
D Initial Closed-in Pressure	<u>619</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Min
E Second Initial Flow Pressure	<u>48</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Min
F Second Final Flow Pressure	<u>29</u> P.S.I.		
G Final Closed-in Pressure	<u>1036</u> P.S.I.		
H Final Hydrostatic Mud	<u>1523</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	569
P 2						66	641
P 3						69	715
P 4						72	783
P 5						75	850
P 6						78	910
P 7						81	950
P 8						84	987
P 9						87	1027
P10						90	1036
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK4 # 247
I.

