



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Beacon Resources Inc.** Lease & Well No. **March 1-12**

Elevation **2880 Kelly Bushings** Formation **Toronto** Effective Pay _____ Ft. Ticket No. **15434**

Date **12-21-70** Sec. **12** Twp. **33S** Range **34W** County **Seward** State **Kansas**

Test Approved by **W. R. Atkinson** Western Representative **Harold Schmidt**

Formation Test No. **1** O.K. ☒ Misrun _____ Interval Tested From **4213'** to **4235'** Total Depth **4235'**

Size Main Hole **7 7/8"** Rat Hole _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. ☒ Damaged Yes ☒ No

Top Packer Depth **4208** Ft. Size **6 3/4"** Packer Depth **4213** Ft. Size **6 3/4"**

Straddle Yes _____ No ☒ Conv. _____ B.T. _____ Damaged Yes _____ No _____

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **22** Ft. Size **5 1/2" O.D.**

RECORDERS Depth **4229** Ft. Clock No. **5665** Depth **4232** Ft. Clock No. **6893**

Top Make **Kuster** Cap. **4200** No. **3354** Inside **Outside** Bottom Make **Kuster** Cap. **4150** No. **1558** Inside **Outside**

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **10:53** P. M.

Tool Open I.F.P. From **10:58** M. to **11:28P** M. **00** Hr. **30** Min. From (B) **57** P.S.I. To (C) **111** P.S.I.

Tool Closed I.C.I.P. From **11:28** M. to **11:58P** M. **00** Hr. **30** Min. (D) **1107** P.S.I.

Tool Open F.F.P. From **11:58** M. to **1:28A** M. **90** Hr. **132** Min. From (E) **151** P.S.I. To (F) **151** P.S.I.

Tool Closed F.C.I.P. From **1:28** M. to **2:13A** M. **45** Hr. **1073** Min. (G) **1073** P.S.I.

Initial Hydrostatic Pressure (A) **2072** P.S.I. Final Hydrostatic Pressure (H) **2072** P.S.I.

SURFACE Size Choke **3/4 Adj.** Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW **Good thru out** Bottom Choke Size **3/4** In.

Did Well Flow Yes ☒ No _____ Recovery Total Ft. **Gas to surface in 5 min.**

170 feet very muddy water

Top chl. 38,000 PPM Bottom 86,000 PPM Drilling mud pre-test 30,000 PPM

Reversed Out Yes ☒ No _____ Mud Type **Starch** Viscosity **40** Weight **9.0** Water Loss **9.6** cc. Maximum Temp. **110** °F

Type Circ. Sub. **Plug** Did Tool Plug? **No** Jars: Size **3 1/2 I.F.** Make **WTC** Ser. No. **408**

EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **Yes** Did Packer Hold? **Yes** Where? _____

Length Drill Pipe **3286** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **542** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **355** ft.

I. D. Drill Collars **2.5** in. Length D.S.T. Tool **52** ft.

Remarks _____

COMPANY Deaton

TEST NO. 1 INTERVAL TESTED FROM 4213 TO 4255

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
10	5 3/4" Orifice	175 MCF
20	14	317 "
30	20	398 "

SECOND FLOW		
10	13 1" Orifice	552 MCF
20	13 1/2	564 "
30	13 1/2	564 "
40	14	577 "
50	14 1/2	590 "
60	14 1/2	590 "
70	15	603 "
80	15	603 "
90	15 1/2	610 "

SIZE CHOKE 3/4 Adj. SURFACE _____ IN. BOTTOM 3/4 IN.

REMARKS Gauged thru merla tester
Gas to surface in 5 min.

Date **12-21-70**Test Ticket No. **15434**Recorder No. **3354**Capacity **4200**Location **4229**

Ft.

Clock No. **5665**Elevation **2880 Kelly Bushings**Well Temperature **110**

°F

Point	Pressure		Time Given	P.	M	Time Computed
A Initial Hydrostatic Mud	2072	P.S.I.	10:53			
B First Initial Flow Pressure	57	P.S.I.	30			30
C First Final Flow Pressure	111	P.S.I.	30			30
D Initial Closed-in Pressure	1107	P.S.I.	90			85
E Second Initial Flow Pressure	132	P.S.I.	45			42
F Second Final Flow Pressure	151	P.S.I.				
G Final Closed-in Pressure	1073	P.S.I.				
H Final Hydrostatic Mud	2072	P.S.I.				

PRESSURE BREAKDOWN

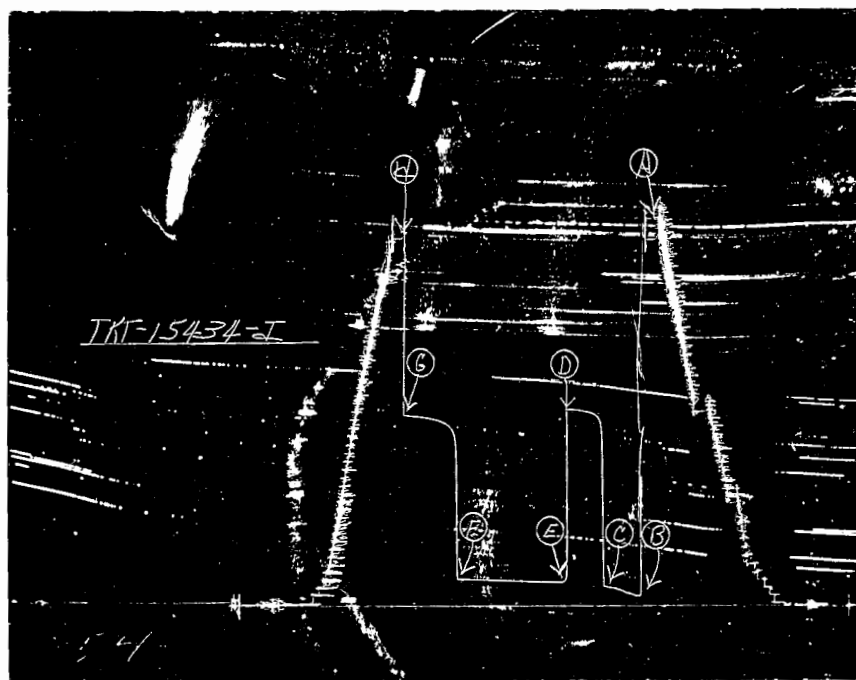
First Flow Pressure
Breakdown: **6** Inc.
of **5** mins. and a
final inc. of _____ Min.

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

Second Flow Pressure
Breakdown: **17** Inc.
of **5** mins. and a
final inc. of _____ Min.

Final Shut-In
Breakdown: **14** Inc.
of **3** mins. and a
final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	57	0	111	0	132	0	151
P 2 5	61	3	1021	5	132	3	955
P 3 10	72	6	1071	10	132	6	1002
P 4 15	89	9	1082	15	132	9	1021
P 5 20	101	12	1091	20	132	12	1033
P 6 25	107	15	1094	25	135	15	1042
P 7 30	111	18	1099	30	137	18	1048
P 8 _____		21	1101	35	139	21	1052
P 9 _____		24	1103	40	141	24	1055
P10 _____		27	1105	45	141	27	1061
P11 _____		30	1107	50	141	30	1063
P12 _____				55	143	33	1065
P13 _____				60	145	36	1067
P14 _____				65	147	39	1069
P15 _____				70	147	42	1073
P16 _____				75	149		
P17 _____				80	149		
P18 _____				85	151		
P19 _____							
P20 _____							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2080	2072	PSI
(B) First Initial Flow Pressure	63	57	PSI
(C) First Final Flow Pressure	116	111	PSI
(D) Initial Closed-in Pressure	1109	1107	PSI
(E) Second Initial Flow Pressure	137	132	PSI
(F) Second Final Flow Pressure	158	151	PSI
(G) Final Closed-in Pressure	1075	1073	PSI
(H) Final Hydrostatic Mud	2080	2072	PSI