

This is actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2155	2155	P.S.I.
(B) First Initial Flow Pressure	55	61	P.S.I.
(C) First Final Flow Pressure	55	55	P.S.I.
(D) Initial Closed-in Pressure	55	61	P.S.I.
(E) Second Initial Flow Pressure	44	48	P.S.I.
(F) Second Final Flow Pressure	44	48	P.S.I.
(G) Final Closed-in Pressure	105	99	P.S.I.
(H) Final Hydrostatic Mud	2122	2111	P.S.I.

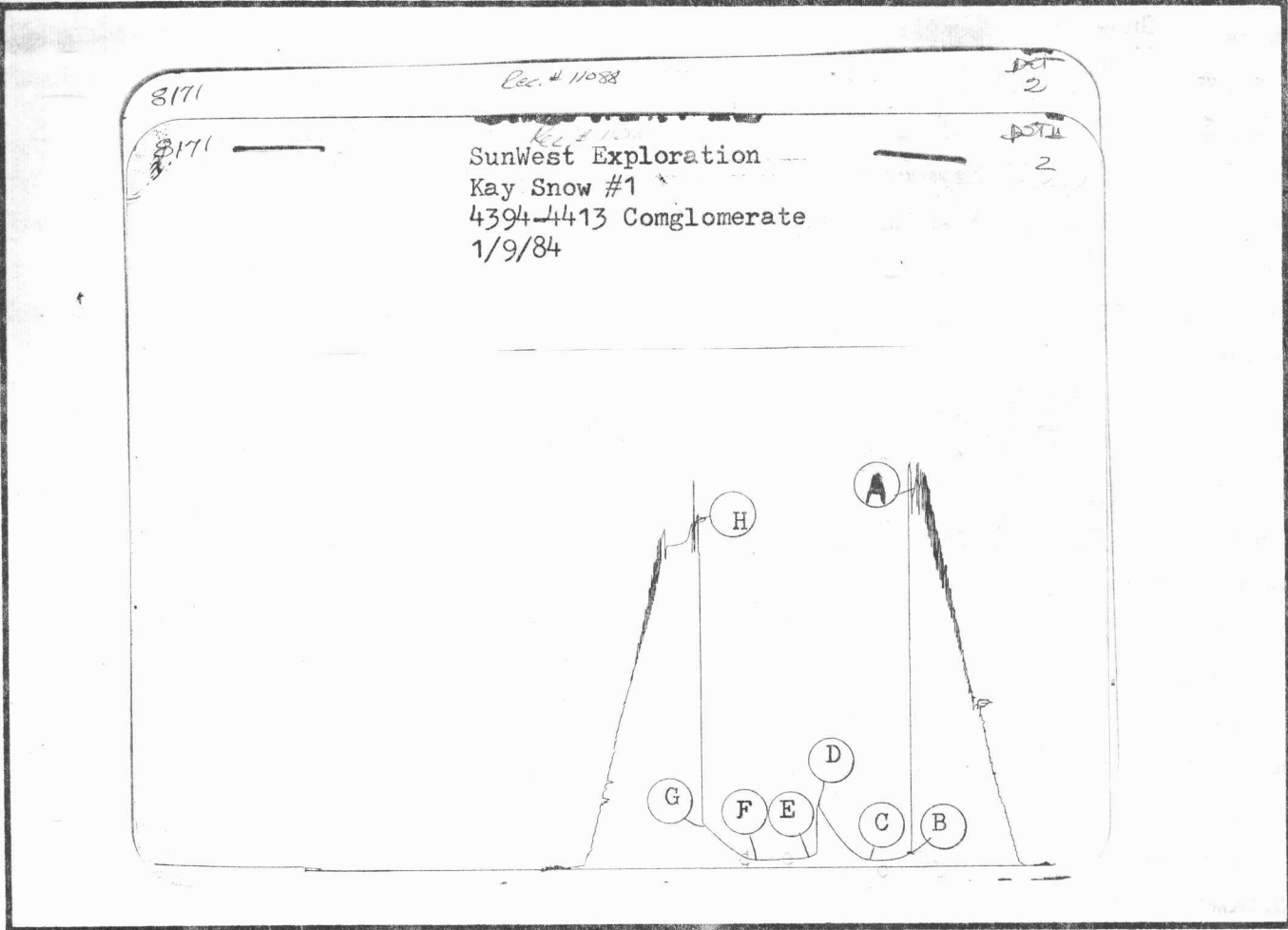
SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY SunWest Exploration Company STATE Kansas COUNTY Edwards
LEASE & WELL NO. Key Snow # 1 ELEVATION 2069 KB. DATE 1/9/84 FORMATION TESTED Conglomerate
SEC 2 TWP 26 RANGE 16 INTERVAL TESTED 4394 TO 4413 TOTAL DEPTH 4413
TEST NO. # 2 O.K. yes TOP PACKER DEPTH 4389 FT. BOTTOM PACKER DEPTH 4394 FT. PACKER SIZE 6 & 3/4
STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 19 FT.
HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT Insurance \$40.00 SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
REVERSED OUT no VISCOSITY 66 WEIGHT 9.1 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
DRILLING CONTRACTOR Mustang # 1
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 4312 FT. I. D. DRILL PIPE 3.80 IN.
TOOL JOINT SIZE ----- IN. LENGTH WEIGHT PIPE ----- FT. I. D. WEIGHT PIPE ----- IN.
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 61 FT. I. D. DRILL COLLARS 2.25 IN.
TOOL OPEN I. F. P. FROM 3:00 p. m to 3:30 p. m Hr. 30 min From (B) 66 P.S.I. to (C) 66 P.S.I.
TOOL CLOSED I. C. I. P. FROM 3:30 p. m to 4:15 p. m Hr. 45 min (D) 420 P.S.I.
TOOL OPEN F. F. P. FROM 4:15 p. m to 5:00 p. m Hr. 45 min From (E) 77 P.S.I. to (F) 66 P.S.I.
TOOL CLOSED F. C. I. P. FROM 5:00 p. m to 5:45 p. m Hr. 45 min (G) 309 P.S.I.
INITIAL HYDROSTATIC PRESSURE (A) 2176 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2133 MAXIMUM TEMPERATURE 117 °F
BLOW Weak built to 5" in water.
Weak built to 5" in water.
RECOVERY - TOTAL FEET 20
RECOVERED 360 FEET OF Gas in teh pipe.
RECOVERED 20 FEET OF Gas cut heavy mud, with slight show of Oil in teptool.
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
RECOVERED _____ FEET OF _____
REMARKS Insurance \$40.00

TICKET NO. 8171

WITNESSED BY: Doug McGinness TOOL OPERATOR: Craig Bucl



This is actual recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2176	2220	P.S.I.
(B) First Initial Flow Pressure	66	66	P.S.I.
(C) First Final Flow Pressure	66	44	P.S.I.
(D) Initial Closed-in Pressure	420	376	P.S.I.
(E) Second Initial Flow Pressure	77	66	P.S.I.
(F) Second Final Flow Pressure	66	50	P.S.I.
(G) Final Closed-in Pressure	309	276	P.S.I.
(H) Final Hydrostatic Mud	2133	2078	P.S.I.

SUPERIOR TESTERS

368 West Second, Holsington, Kansas

COMPANY SunWest Exploration Company STATE Kansas COUNTY Edwards
LEASE & WELL NO. Kay Snow # 1 ELEVATION 2069 KB. DATE 1/10/83 FORMATION TESTED Conglomerate
SEC 2 TWP 26 RANGE 16 INTERVAL TESTED 4417 TO 4443 TOTAL DEPTH 4443
TEST NO. # 3 O.K. yes TOP PACKER DEPTH 4412 FT. BOTTOM PACKER DEPTH 4417 FT. PACKER SIZE 6 & 3/4
STRADDLE no CONV yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 26 FT.
HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
REVERSED OUT no VISCOSITY 48 WEIGHT 9.2 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
DRILLING CONTRACTOR Mustang # 1

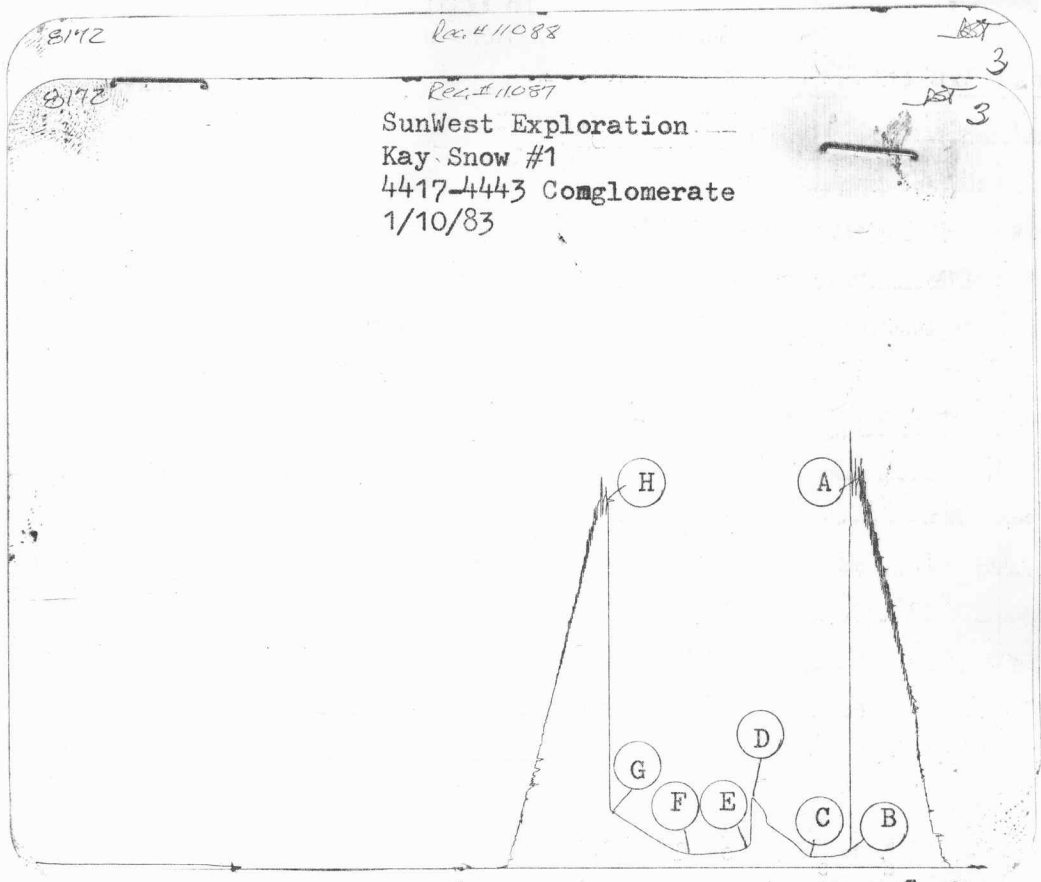
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 4335 FT. I.D. DRILL PIPE 3.80 IN.
TOOL JOINT SIZE IN. LENGTH WEIGHT PIPE FT. I.D. WEIGHT PIPE IN.
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 61 FT. I.D. DRILL COLLARS 2.25 IN.
TOOL OPEN I.F.P. FROM 8:10 a. m to 8:40 a. m Hr. 30 min From (B) 66 P.S.I. to (C) 66 P.S.I.
TOOL CLOSED I.C.I.P. FROM 8:40 a. m to 9:25 a. m Hr. 45 min (D) 398 P.S.I.
TOOL OPEN F.F.P. FROM 9:25 a. m to 10:10 a. m Hr. 45 min From (E) 99 P.S.I. to (F) 78 P.S.I.
TOOL CLOSED F.C.I.P. FROM 10:10 a. m to 11:10 a. m Hr. 60 min (G) 320 P.S.I.
INITIAL HYDROSTATIC PRESSURE (A) 2242 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2133 MAXIMUM TEMPERATURE 119 °F

BLOW Weak built to bottom of bucket in 14 minutes.
Fair built to bottom of bucket in 1 minute.

RECOVERY - TOTAL FEET 155
RECOVERED 1200 FEET OF Gas in the pipe.
RECOVERED 95 FEET OF Mud, with Oil specks
RECOVERED 60 FEET OF Slightly Oil cut mud. (6% Oil)
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF
RECOVERED FEET OF

REMARKS Slid tool 2' to bottom.

WITNESSED BY: Doug McGinness TOOL OPERATOR: Craig Bucl TICKET NO. 8172



This is actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2242	2220	P.S.I.
(B) First Initial Flow Pressure	66	77	P.S.I.
(C) First Final Flow Pressure	66	66	P.S.I.
(D) Initial Closed-in Pressure	398	398	P.S.I.
(E) Second Initial Flow Pressure	99	121	P.S.I.
(F) Second Final Flow Pressure	78	77	P.S.I.
(G) Final Closed-in Pressure	320	320	P.S.I.
(H) Final Hydrostatic Mud	2133	2089	P.S.I.