

SUPERIOR TESTERS, INC.

Formation Testing Service Report

SUPERIOR TESTERS

368 West Second, Holsington, Kansas

COMPANY M.V.R.C. Oil Operations STATE Kansas COUNTY Barton

LEASE & WELL NO. Birzer # 1 ELEVATION 1806 KB DATE 6/9/82 FORMATION TESTED Topeka

SEC 6 TWP 19 RANGE 11 INTERVAL TESTED 2888 TO 2925 TOTAL DEPTH 2925

TEST NO # 1 O.K. yes TOP PACKER DEPTH 2883 FT. BOTTOM PACKER DEPTH 2888 FT. PACKER SIZE 6 2 3/4

STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 37 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 40 WEIGHT 9.3 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no

DRILLING CONTRACTOR Allen #4

TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 2867 FT. I.D. DRILL PIPE 3.80 IN.

TOOL JOINT SIZE ----- IN. LENGTH WEIGHT PIPE ----- FT. I.D. WEIGHT PIPE ----- IN.

TOOL JOINT SIZE ----- IN. LENGTH DRILL COLLARS ----- FT. I.D. DRILL COLLARS ----- IN.

TOOL OPEN I.F.P. FROM 10:30 a.m. to 11:00 a.m. Hr. 30 min From (B) 66 P.S.I. to (C) 66 P.S.I.

TOOL CLOSED I.C.I.P. FROM 11:00 a.m. to 11:30 a.m. Hr. 30 min (D) 706 P.S.I.

TOOL OPEN F.F.P. FROM 11:30 a.m. to 12:00 p.m. Hr. 30 min From (E) 77 P.S.I. to (F) 89 P.S.I.

TOOL CLOSED F.C.I.P. FROM 12:00 p.m. to 12:30 p.m. Hr. 30 min (G) 629 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 1528 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1506 MAXIMUM TEMPERATURE 99 °F

BLOW Weak built to 3" in water 1st opening.

Weak built to 2" in water 2nd opening.

RECOVERY - TOTAL FEET 45

RECOVERED 5 FEET OF Slightly Oil cut mud.

RECOVERED 40 FEET OF Muddy water.

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

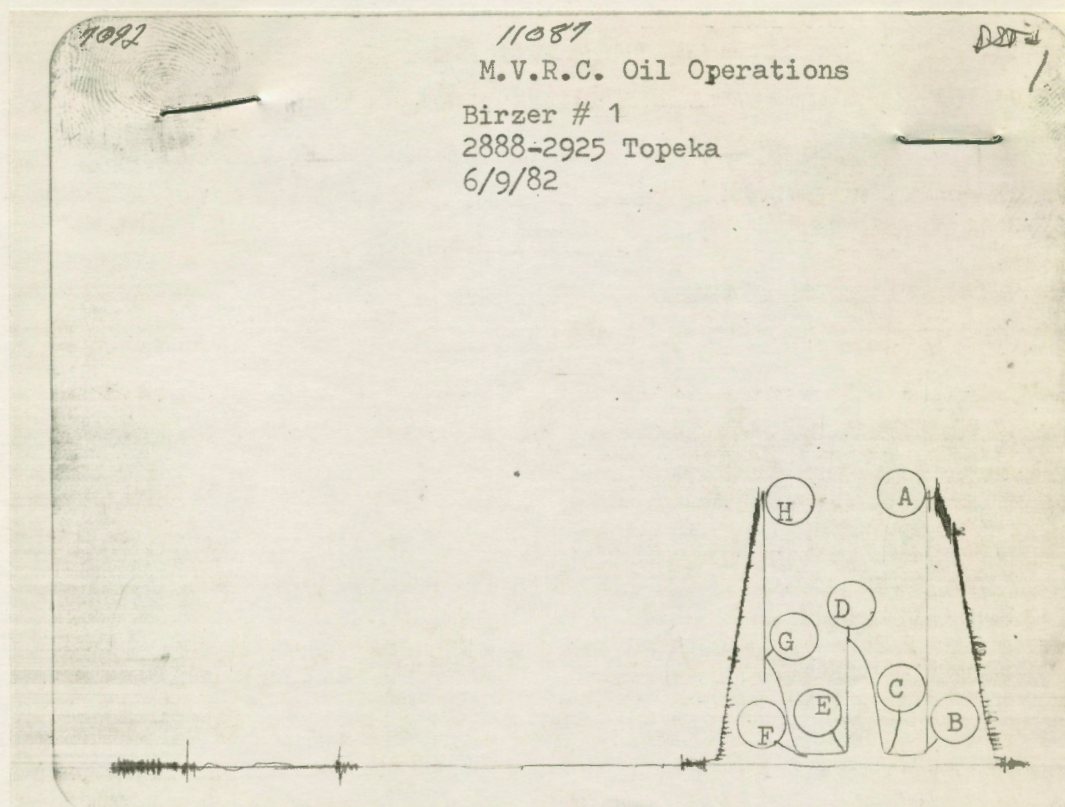
RECOVERED FEET OF

RECOVERED FEET OF

REMARKS None.

TICKET NO. 7092

WITNESSED BY: M Morden TOOL OPERATOR: Craig Bucl



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1528	1539	P.S.I.
(B) First Initial Flow Pressure	66	66	P.S.I.
(C) First Final Flow Pressure	66	66	P.S.I.
(D) Initial Closed-in Pressure	706	739	P.S.I.
(E) Second Initial Flow Pressure	77	77	P.S.I.
(F) Second Final Flow Pressure	89	77	P.S.I.
(G) Final Closed-in Pressure	629	640	P.S.I.
(H) Final Hydrostatic Mud	1506	1517	P.S.I.

SUPERIOR TESTERS, INC.

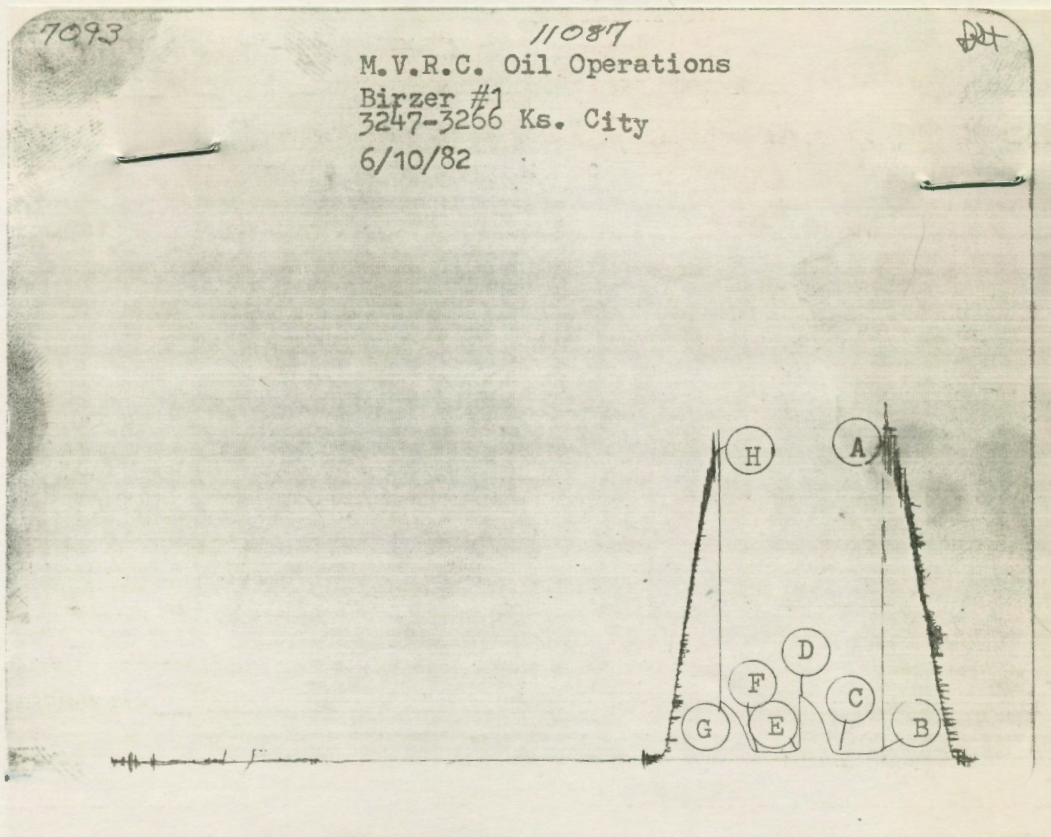
Formation Testing Service Report

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY M.V.R.C. Oil Operations STATE Kansas COUNTY Barton
 LEASE & WELL NO. Birzer # 1 ELEVATION 1806 KB. DATE 6/10/82 FORMATION TESTED Ks. City
 SEC 6 TWP 19 RANGE 11 INTERVAL TESTED 3247 TO 3266 TOTAL DEPTH 3266
 TEST NO. #2 O.K. yes TOP PACKER DEPTH 3242 FT. BOTTOM PACKER DEPTH 3247 FT. PACKER SIZE 6 & 7/4
 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 none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 1/2 IN.
 REVERSED OUT no VISCOSITY 49 WEIGHT 9.9 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Allen # 2
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3226 FT. I.D. DRILL PIPE 3.80 IN.
 TOOL JOINT SIZE ----- IN. LENGTH WEIGHT PIPE ----- FT. I.D. WEIGHT PIPE ----- IN.
 TOOL JOINT SIZE ----- IN. LENGTH DRILL COLLARS ----- FT. I.D. DRILL COLLARS ----- IN.
 TOOL OPEN I.F.P. FROM 4:00 p. m to 4:30 p. m Hr. 30 min From (B) 44 P.S.I. to (C) 32 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 4:30 p. m to 5:00 p. m Hr. 30 min (D) 326 P.S.I.
 TOOL OPEN F.F.P. FROM 5:00 p. m to 5:30 p. m Hr. 30 min From (E) 44 P.S.I. to (F) 44 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 5:30 p. m to 6:00 p. m Hr. 30 min (G) 331 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 1803 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1281 MAXIMUM TEMPERATURE 104 °F
 BLOW Weak steady 1st opening.
Very weak throughout 2nd opening.
 RECOVERY - TOTAL FEET 30
 RECOVERED 30 FEET OF Thin mud with few Oil specks in tool.
 RECOVERED ----- FEET OF -----
 RECOVERED ----- FEET OF -----
 RECOVERED ----- FEET OF -----
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 RECOVERED ----- FEET OF -----
 RECOVERED ----- FEET OF -----
 RECOVERED ----- FEET OF -----
 REMARKS None.

TICKET NO. 7093
 WITNESSED BY: M. Morden TOOL OPERATOR Craig Bucl



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1803	1803	P.S.I.
(B) First Initial Flow Pressure	44	44	P.S.I.
(C) First Final Flow Pressure	32	33	P.S.I.
(D) Initial Closed-in Pressure	376	371	P.S.I.
(E) Second Initial Flow Pressure	44	48	P.S.I.
(F) Second Final Flow Pressure	44	44	P.S.I.
(G) Final Closed-in Pressure	331	331	P.S.I.
(H) Final Hydrostatic Mud	1781	1770	P.S.I.