



WELL NO.: M.C. HAGOOD A-4
(1815)
FIELD . . . : RANGELY, CO.

SURVEY DATA

REMARKS

SURVEY TYPE	T-S-T	SURFACE TEMP	108.2 F
DATE	11/12/2013	BHT	N/A
METERED RATE ..	2370 B/D	TBG PRESSURE ..	1520 PSI
MEASURED RATE ..	2328 B/D	CSG PRESSURE ..	0 PSI
DESIRED RATE ..	N/A	PICK-UP	6626'
SERVICE CO.	PLS	INJ. FLUID	H2O

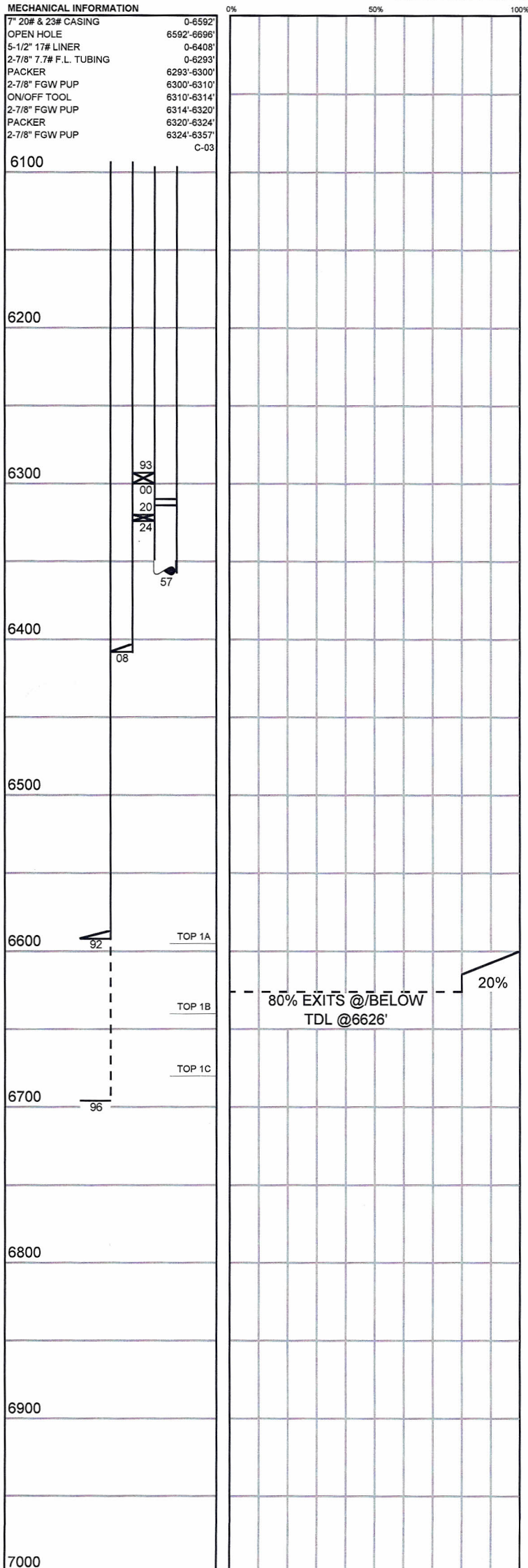
R/A TRACER INDICATES PACKER AND CASING SHOE
OK.
RECORDED BY: MATT STRATTON

11/12/13, RAN 1.75" GAUGE RING TO 6626' WITH NO
PROBLEMS.

MECHANICAL INFORMATION

7" 20# & 23# CASING	0-6592'
OPEN HOLE	6592'-6696'
5-1/2" 17# LINER	0-6408'
2-7/8" 7.7# F.L. TUBING	0-6293'
PACKER	6293'-6300'
2-7/8" FGW PUP	6300'-6310'
ON/OFF TOOL	6310'-6314'
2-7/8" FGW PUP	6314'-6320'
PACKER	6320'-6324'
2-7/8" FGW PUP	6324'-6357'
	C-03

INJECTION PROFILE



PERCENTAGE INJECTED INTO ZONE

ZONE 1A
6595-6640

(80% EXITS @/BELOW TDL @ 6628')	100%
(80% EXITS @/BELOW TDL @ 6626')	100%

ZONE 1B
6640-6680

0%	0%
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ZONE 1C
6680-6696

0%	0%
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A horizontal number line with tick marks at 0, 20, 40, 60, and 80.

Run #1: 6/12/2006

Run #2: 11/12/2013

TEMPERATURES (F°)

DATE	RUN #1 6/12/2006	RUN #2 11/12/2013	
SURFACE	119.1	108.2	
6595-6640	---	---	
TDL (6626)	120.9	N/A	
6640-6680	---	---	
6680-6696	---	---	
RATE (B/D)	3375	2328	
PRESS (PSI)	1600	1520	