



Well Services
E-LINE

RADIAL CEMENT BOND
GAMMA RAY
CCL LOG

Company NOBLE ENERGY
Well CONRAD FEDERAL 17-12
Field WATTENBURG
County WELD
State CO

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Field WATTENBURG
County WELD State CO

Location: API # : 05-123-29031
SE/NE
LAT. 40.3287998 LONG. -104.71752490
SEC 12 TWP 4N RGE 66W
Permanent Datum GL
Log Measured From K.B. OF 16'
Drilling Measured From KELLY BUSHING
Elevation 4,703'
Other Services
K.B. 4,719'
D.F. 4,718'
G.L. 4,703'

Date	10-4-2019
Run Number	ONE
Depth Driller	7,890'
Depth Logger	1,944'
Bottom Logged Interval	1,944'
Top Log Interval	SURFACE
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	1.0
Max. Recorded Temp.	85° DEG. F.
Estimated Cement Top	N/A
Time Well Ready	ON ARRIVAL
Time Logger on Bottom	N/A
Equipment Number	3812
Location	GREELEY, CO
Recorded By	CODY FORNENGO
Witnessed By	J.NAVA

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24 #	SURFACE	851'
Prot. String				
Production String	4.5"	11.6#	SURFACE	7,879'
Liner				

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

RAN CBL TO VERIFY CEMENT COVERAGE
RAN CBL OFF KB OF 16' ABOVE GROUND LEVEL

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HEAD/COIL	16.13		1_4	1.00	1.36	5.00

HEADVOLT	16.15					
IntTemp	14.71					
WVF3FT	11.46					
WVFCAL	11.46					
WVFS1	11.46					
WVFS2	11.46					
WVFS3	11.46					
WVFS4	11.46					
WVFS5	11.46					
WVFS6	11.46					
WVFS7	11.46					
WVFS8	11.46					
WVF5FT	10.46					
CNLSC	6.00					
CNSSC	5.17					
CCL	3.64					
GR	0.90					
<div> <div> Dataset: Total Length: Total Weight: O.D. </div> <div> conrad federal 17-12.db: field/well/run1/pass2 17.13 ft 165.00 lb 2.75 in </div> </div>						

Dataset Creation:		Fri Oct 04 08:43:04 2019 by Log SCH 120126																										
Charted by:		Depth in Feet scaled 1:240																										
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8											
LSPD (ft/min)			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100											
			200	GR (GAPI)	400					0	AMPS3							100										
0										0	AMPS4	100																
250										0	AMPS5	100																
											0	AMPS6	100															
											0	AMPS7	100															
											0	AMPS8	100															
											IntTemp																	
											(degF)																	



















