Well Services

RADIAL BOND TOOL
GAMMA RAY
CCL

Company	NOBLE ENERGY
Well	WATKINS 12-13
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY
Well WATKINS 12-13
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-17585
SW/SW
LAT 40.32100 LONG -104.50531
SEC 12 TWP 4N RGE 64W

Other Services

Permanent Datum GL Elevation 4629'
Log Measured From K.B. OF 13'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4642'
D.F. 4641'
G.L. 4629'

Date	4-12-2019
Run Number	ONE
Depth Driller	6902'
Depth Logger	6408'
Bottom Logged Interval	6408'
Top Log Interval	1500'
Open Hole Size	NA
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	5744'
Time Well Ready	NA
Time Logger on Bottom	NA
Equipment Number	3813
Location	GREELEY CO
Recorded By	A.STEERMAN
Witnessed By	S.MAREZ

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	515'
Prot. String				
Production String	3 1/2	7.7#	SURFACE	6903'
Liner				

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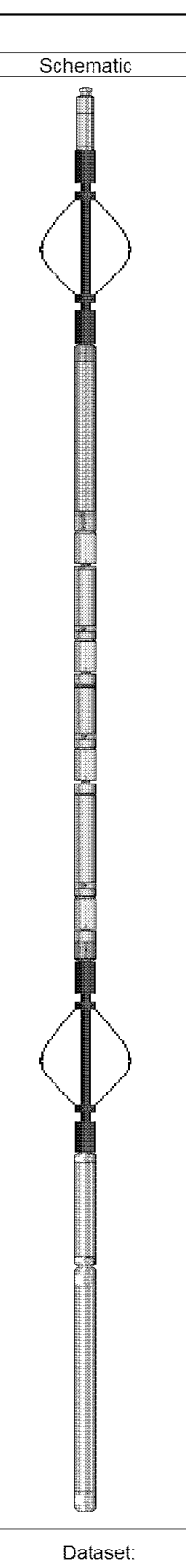
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 BOND
NOT CORRELATED
AIR IN FLUID STARTING @ 2400'

THANK YOU FOR USING SPN WELL SERVICES!!



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1_4	1.00	1.36	5.00
			1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
TEMP	15.09					
WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVF3FT WVF5FT	13.64 13.64 13.64 13.64 13.64 13.64 13.64 12.89 11.89		SCBLTEKSLIM-T169Temp (16SBT20-010 1 11/16 Sector with Temp	9.67	1.69	53.00
WVFTEMP	8.59					
			1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
CCL	4.47		CCL-16CCL20 (16CCL20-XXXX) 1-11/16" Applied CCL	1.76	1.69	5.00
			GR-16GRL24 (16GRL24-XXXX) 1-11/16" Gamma Ray Scint	3.83	1.69	20.00
GR	1.00					

Dataset: watkins 12-13.db: field/well/run1/pass5
Total Length: 22.26 ft
Total Weight: 113.00 lb
O.D. 1.69 in

Database File:	watkins 12-13.db
Dataset Pathname:	pass5
Presentation Format:	_scblt6
Dataset Creation:	Fri Apr 12 12:45:48 2019 by Log SCH 120126
Charted by:	Depth in Feet scaled 1:240

260 Travel Time (usec) 160
9 Casing Collars -1
0 Gamma Ray (GAPI) 150

Amplitude
0 (mV) 100

X5
(mV)
0 20

0 Amp Avg 100
0 Amp Max 100
0 Amp Min 100
0 AMPS1 100
0 AMPS2 100
0 AMPS3 100
0 AMPS4 100
0 AMPS5 100
0 AMPS6 100

200 VDL 1200

1 Sector Map 6
100 0

SPN Well Services
E-LINE

Company	NOBLE ENERGY
Well	WATKINS 12-13
Field	WATTENBERG
County	WELD
State	COLORADO