



ThruBit
A Schlumberger Company

WAVEFORM SONIC GAMMA RAY MEMORY LOG

Company	CHEVRON PRODUCTION COMPANY	Company	CHEVRON PRODUCTION COMPANY
Well	FEE 162Y	Well	FEE 162Y
Field	RANGELY	Field	RANGELY
County	RIO BLANCO	County	RIO BLANCO
State	COLORADO	State	COLORADO
Location:	AP1 #: 05-103-11945-0000 566' FNL & 1443' FEL LAT=40.119750, LONG=-108.844017 SEC 28 TWP 2N RGE 102W	Other Services	
Permanent Datum	G.L.	Elevation	5320'
Log Measured From	K.B. @ 22' ABOVE PERM DATUM	D.F.	5341'
Drilling Measured From	K.B.	G.L.	5320'
Date	12/13/12		
Run Number	ONE		
Depth Driller	6677'		
Depth Logger	6655'		
Bottom Logged Interval	6646'		
Top Log Interval	1990'		
Casing Driller	2011'		
Casing Logger	2002'		
Bit Size	8.75"		
Type Fluid in Hole	WBM		
Density / Viscosity	10.3 / 51		
pH / Fluid Loss	11.5 / 16		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.85 OHM @ 75 DEGF		
Rmf @ Meas. Temp	0.66 OHM @ 72.9 DEGF		
Rmc @ Meas. Temp	1.04 OHM @ 72.6 DEGF		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.33 OHM @ 139 DEGF		
Time Circulation Stopped	0500 13DEC12		
Time Logger on Bottom	0645 13DEC12		
Maximum Recorded Temperature	139 DEGF		
Equipment Number	T009		
Location	BRIGHTON, CO		
Recorded By	J. TOEDTEMEIER		K. BANGE
Witnessed By	T. ZUNICH		

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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

VERTICAL MEMORY BIT DEPTH SET AT 6550' LOGGED TO 2000'
ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
SANDSTONE MATRIX, 2.65 g/cc USED FOR POROSITY MEASUREMENTS
TOOLSTRING RAN WITH CENTRALIZERS, LARGE DECENTRALIZER, TWO KNUCKLES
TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
ABHV REPRESENTS ANNULAR HOLE VOLUME, CALCULATED FOR 7" CSG, ft3
DEPTH REFERENCE: DOWN LOG
PIPE TALLY IS INVALID AND WAS NOT USED

RIG: NABORS M11
CREW: J. TOEDTEMEIER, K. BANGE, J. SHEETS, T. HATCH

Database File c:\programdata\warrior\data\wells uploaded\chevron production co_fee 162y_sonic_13dec12\chevron
Dataset Pathname QUAD/COMBINED
Presentation Format fracgf0
Dataset Creation Sat Dec 15 15:33:37 2012
Charted by Depth in Feet scaled 1:240

0	GR	150	90IN_2FT_R (Ohm-m)	0.3	SPHI	-0.1	6' Receiver 20000 -20000	40	DTRS	240	CHRS
	DCAL				DRHO			40	DTRP	240	1 0.5
4	(GAPI)	14		0.2	2000	-0.75 (g/cc) 0.25					
				60IN_2FT_R (Ohm-m)	CNPOR	30 (pu) -10					
			0.2	2000	30 DPHI (pu) -10						
					0 PEF (barn) 20						













































