Drill Collar Data & Performance Sheet

3-1/8" x 1-1/8" Spiral DC with 2-3/8 Reg

TUBE BODY DATA

Tube OD	3.125	in.
Wall Thickness	1.000	in.
Tube ID	1.125	in.
Material Grade	110,000	psi.
Tensile Yield Strength	734,347	lbs.
Torsional Yield Strength	31,161	ft-lbs.
Tube Burst	61,600	psi.
Tube Collapse	47,872	psi.

CONNECTION DATA

Connection	2-3/8 REG

CONNECTION PERFORMANCE

Make Up Torque (API)	3,300 3,795	ft-lbs. (1.0 FF) ft-lbs. (1.15 FF)
Connection Tensile Yield	309,500	lbs.
Connection Torsional Yield	5,300	ft-lbs.

ENGINEERING DATA

Approximate Length	30	ft.		
Drift Diameter	1.000	in.		
Adj. Weight	22.70	lbs. / ft.		
Displacement	0.3468	gal. / ft.	0.0083	bbls. / ft.
Capacity	0.0516	gal. / ft.	0.0012	bbls. / ft.
BSR	2.645			

Notes:

- Ensure sufficient MUT is applied to the connection. Stick and slip is very damaging to connections and can induce higher-than-planned torque. Adjust MUT according to thread compound friction factor. Higher MUT values may be used under extreme conditions and is recommended when downhole torque and/or backoff is a concern.
- Dimensions, wall thickness, and lengths shown above are nominal. Figures may exclude the effects of wear, stress relief, boreback, ID chamfers, and/or spiral features.

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