

329450

BIT DATA

Table #1

BIT#	SIZE inch	TYPE	JETS	DEPTH	DEPTH	BIT	BIT	AVG	WOB	RPM	TORQUE	BIT	CONDITION		
				IN	OUT	DIST	TIME	ROP ft/hr	klbs		avg to max	REVS	T	B	G
NB12	12.25	SMITH F3	15,15,15	7173	7971	798	43.1	18.5	35-45	70-85	2.5 - 7.9	211380	8	8	0
NB13	12.25	SMITH F3	14,14,14*	7971	8420	449	31.9	14.1	40-43	80-85	2.5 - 6.0	163766	1	8	0
NB14	12.25	SMITH F2 CE	3x13,1x8	8420	9149	729	40.5	18.0	40-45	85-90	2.7 - 7.2	212412			

* NB13 one nozzle partially blocked.

HYDRAULICS DATA

Table #2

BIT#	SIZE	START	JETS	FLOW	SPM	PUMP	MUD	ECD	PV/YP	ANNULAR VELOCITIES ft/mn				JET	BIT	HHP	IMPACT
		DEPTH		IN		PRESS	WT.						riser	pipe	collar	crit	VEL
		feet		gpm		psi	ppg	ppg						ft/sc	psi/ %	hp	lbs
NB12	12.25	7173	15,15,15	610	120	2390	9.2	9.2	17/7	45	119	173	211	378	1174/49	418	1098
NB13	12.25	7971	14,14,14*	490	100	2900	9.6	9.7	22/12	37	96	139	294	491	2071/69	592	1197
NB14	12.25	8420	3x13,1x8	611	120	2860	9.3+	9.4	21/13	46	120	174	313	448	1664/58	593	1316

* NB13 one nozzle partially blocked.