

329447

BIT DATA

BIT#	SIZE	TYPE	JETS	DEPTH	DEPTH	BIT	BIT	AVG	WOB	RPM	TORQUE	BIT	CONDITION
	inch			IN	OUT						DIST		
NB7	12.25	SMITH SDT	Open										
RRB7	"	"	"	5452	5460	8	0.1	80	17-20	60-80	2.0 - 4.3	1000	
NB8	12.25	DB CD 502	1" TFA	5461	5519	58	2.0	29	12-20	80-110	1.9 - 3.7	12000	
NB9	12.25	SMITH SDGH	15,15,15	5519	6320	801	16.1	50	20-30	75-120	1.6 - 7.6	95000	6 3 4
NB10	12.25	SMITH SVH	15,15,15	6320	6568	248	6.3	39	30-40	95-120	2.0 - 7.7	42000	4 2 0
NB11	12.25	SMITH F2	15,15,15	6568	7173	605	41.0	15	30-38	80-100	3.2 - 7.9	213000	1 2 0
NB12	12.25	SMITH F3	15,15,15	7173									

HYDRAULICS DATA

BIT#	SIZE	START	JETS	FLOW	SPM	PUMP	MUD	ECD	PV/YP	ANNULAR VELOCITIES ft/min				JET	BIT	HHP	IMPACT
		DEPTH		IN		PRESS				WT.	riser	pipe	collar	crit			
		feet		gpm		psi	ppg	ppg					ft/sc	psi/ %	hp	lbs	
NB7	12.25	5452	Open	815	164	1800	8.9	9.0	20/13	61	157*	232	321	111	100/6	47	417
NB8	8.5	5461	3x19 eq	220	44	400	8.9	9.0	14/12	17	42*	654+	769	88	60/15	8	89
												63#					
NB9	12.25	5519	15,15,15	618	125	2000	9.0	9.2	14/12	46	121	176	290	383	1180/59	425	1103
NB10	12.25	6320	15,15,15	614	124	2200	9.0	9.2	16/12	46	120	175	293	380	1170/53	418	1092
NB11	12.25	6568	15,15,15	618	125	2370	9.1	9.2	21/15	46	121	176	345	383	1195/50	431	1117

* In 13.375" casing
+ 8.5"/8" annulus
12.25/8" annulus