

329015

HYDRAULICS DATA

Table #2

BIT#	SIZE	START DEPTH feet	JETS	FLOW IN gpm	SPM	PUMP PRESS psi	MUD WT. ppg	ECD ppg	PV/YP	ANNULAR VELOCITIES ft/mn				JET VEL ft/sc	BIT PRESS psi/ %	HHP hp	IMPACT FORCE lbs
										riser	pipe	collar	crit				
NB3	12.25	1372	15,15,18	764	154	2400	8.8	9.0	8/18	57	150	217	381	413	1340/68	597	1436
NB4	12.25	4240	11,3x13	703	142	2720	9.1	9.4	8/32	53	138	288	563	468	1780/66	731	1551
NB5	17.5	1372	12,3x15	726	146	1830	8.9	9.1	9/18	54	63	82	319	370	1090/59	460	1235
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	3x21 eq	220	44	400	8.9	9.0	14/12	17	42*	654+ 63#	769	88	60/15	8	89
NB9	12.25	5519	3x15	618	125	2000	9.0	9.2	14/12	46	121	176	290	383	1180/59	425	1103
NB10	12.25	6320	3x15	614	124	2200	9.0	9.2	16/12	46	120	175	293	380	1170/53	418	1092
NB11	12.25	6568	3x15	618	125	2370	9.1	9.2	21/15	46	121	176	345	383	1195/50	431	1117
NB12	12.25	7173	3x15	610	120	2390	9.2	9.2	17/7	45	119	173	211	378	1175/49	418	1098
NB13	12.25	7971	3x14 ^	490	100	2900	9.6	9.7	22/12	37	96	139	294	491	2070/69	592	1197
NB14	12.25	8420	18,3x13	611	120	2860	9.3+	9.4	21/13	46	120	174	313	448	1665/58	593	1316
RR8.1	8.5	9149	3x21 eq	190	38	360	9.3	9.4	24/14	14	37	54	334	61	30/15	3	56
NB15	12.25	9210	3x14	615	124	2950	9.3	9.4	25/18	46	121	175	387	438	1610/55	578	1311
NB16	12.25	10059	3x14	617	124	2910	9.3	9.5	27/21	46	121	176	432	439	1600/55	576	1304
NB17	12.25	10865	3x14\$	473	95	3010	9.6	9.7	28/23	36	93	135	447	505	2185/73	603	1186
NB18	12.25	11342	3x14	595	120	3000	9.8	9.9	24/22	45	114	169	420	423	1570/51	544	1277
NB19	12.25	12120	3x14	600	121	3020	9.8	10.0	23/21	45	118	171	448	428	1609/53	564	1312
RR8.2	8.5	12292	3x21 eq	250	50	700	9.8	9.9	19/16	19	49	71	362	80	56/8	8.2	102
NB20	12.25	12310	3x14	600	121	2900	9.7	9.8	19/16	45	118	171	339	427	1580/54	553	1286

^ NB13 one nozzle partially blocked.

* In 13.375" casing.

+ 8.5"/8" annulus.

12.25/8" annulus.

\$ NB17 one nozzle blocked after wiper trip.