

466374

* BIT # 9 + UR SMITH DS BIT DIAMETER : 17.50 inch NOZZ 22/22/24
 * MUD RHEOLOGICAL PARAMETERS : PV = 9 YP = 10 GEL = 2 *

* TIME *	* MEASURED *	* DEPTHS *			* DRILLING PARAMETERS *					* MUD PARAMETERS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *							
		VERTCL	LAGGED	* ROP *	* WOB *	RPM	TORG	PRESS	FLOW	* PIT *	DENSITY	TEMPERATURE	RESISTIVITY	* GAS *	* DCS *	NORM	PF	ECD	FRAC	* FEET *	TIME	COST			
* Hr:mn *	* feet *	feet	feet	* ft/h *	* klbs *	rpm	ftlb	psi	gpm	* bbls *	ppg	IN	OUT	IN	OUT	ohm	* unit *	ppg	ppg	ppg	* feet *	DHr	\$		
D * 0: 2 *	1342.6	1344.4	1321.0	* 40.0 *	* 8.1 *	69	700	1579	713	* 458 *	0.7	8.7	61.8	70.1	1.00	.99	* 0 *	.82	1.06	* 8.6 *	9.3	11.7	* 21.1 *	.15	1829
D * 0: 8 *	1344.0	1345.8	1321.0	* 15.8 *	* 6.0 *	70	800	1579	722	* 458 *	0.4	8.7	62.3	70.6	1.00	.98	* 0 *	.95	1.06	* 8.6 *	9.1	11.7	* 22.5 *	.26	983
D * 0:13 *	1346.1	1347.9	1321.0	* 30.7 *	* 2.9 *	71	700	1584	711	* 458 *	0.6	8.7	62.5	70.9	1.00	.99	* 0 *	.61	1.06	* 8.6 *	9.2	11.7	* 24.6 *	.33	910
D * 0:16 *	1348.1	1348.8	1321.0	* 26.0 *	* .8 *	71	700	1584	722	* 464 *	0.6	8.7	62.7	71.1	1.00	.99	* 0 *	.71	1.06	* 8.6 *	9.1	11.7	* 25.5 *	.37	882
D * 0:19 *	1350.2	1351.9	1321.0	* 44.7 *	* 1.6 *	71	700	1588	715	* 470 *	0.7	8.7	62.9	71.0	1.00	.99	* 0 *	.57	1.06	* 8.6 *	9.5	11.7	* 28.5 *	.40	794
D * 0:24 *	1352.0	1353.8	1321.0	* 17.6 *	* 2.9 *	75	700	1584	633	* 474 *	0.7	8.7	63.2	71.4	1.00	.99	* 3 *	.86	1.06	* 8.6 *	9.2	11.7	* 30.5 *	.48	753
D * 0:27 *	1354.0	1354.8	1342.8	* 39.2 *	* 7.2 *	70	800	1602	726	* 466 *	0.7	8.7	63.4	71.4	1.00	1.00	* 3 *	.75	1.06	* 8.6 *	9.3	11.7	* 31.5 *	.52	731
D * 0:29 *	1356.0	1357.8	1343.0	* 64.7 *	* 7.2 *	70	900	1607	723	* 466 *	0.7	8.7	63.4	71.5	1.00	1.00	* 4 *	.73	1.06	* 8.6 *	9.3	11.7	* 34.5 *	.56	673
D * 0:32 *	1358.0	1359.8	1343.0	* 36.8 *	* .8 *	70	900	1579	726	* 470 *	0.7	8.7	63.6	71.7	.99	1.00	* 4 *	.71	1.06	* 8.6 *	9.3	11.7	* 35.7 *	.60	655
D * 0:35 *	1360.1	1361.9	1344.0	* 51.8 *	* 3.1 *	70	700	300	378	* 480 *	0.7	8.7	63.7	71.9	1.00	.99	* 3 *	.67	1.06	* 8.6 *	8.9	11.7	* 38.6 *	.65	618
D * 0:48 *	1362.9	1363.6	1347.0	* 62.6 *	* .8 *	73	700	1570	712	* 486 *	0.7	8.7	64.1	71.8	1.00	.98	* 3 *	.80	1.06	* 8.6 *	9.3	11.7	* 40.3 *	.67	587
D * 1: 5 *	1364.0	1373.4	1350.0	* 44.2 *	* 3.6 *	66	900	1579	712	* 486 *	0.7	8.7	64.7	71.8	.99	1.00	* 3 *	.64	1.06	* 8.6 *	9.3	11.7	* 43.9 *	1.00	572
D * 1: 9 *	1366.2	1364.8	1360.0	* 36.7 *	* 3.7 *	71	800	1579	712	* 486 *	0.7	8.7	65.0	72.6	.99	.97	* 3 *	.61	1.06	* 8.6 *	9.3	11.7	* 45.1 *	1.13	559
D * 1:14 *	1368.1	1366.9	1363.0	* 26.7 *	* 4.0 *	70	800	1579	717	* 490 *	0.7	8.7	64.5	72.7	.98	.94	* 3 *	.78	1.06	* 8.6 *	9.3	11.7	* 48.0 *	1.21	534
D * 1:19 *	1370.2	1368.9	1356.0	* 19.4 *	* 2.1 *	65	900	1579	717	* 490 *	0.7	8.7	65.3	73.1	.98	.93	* 3 *	.69	1.06	* 8.6 *	9.3	11.7	* 50.1 *	1.29	517
D * 1:23 *	1372.0	1370.8	1358.0	* 24.8 *	* 2.8 *	67	700	1579	716	* 490 *	0.7	8.7	65.4	73.3	.98	.91	* 3 *	.67	1.06	* 8.6 *	9.3	11.7	* 51.9 *	1.35	503
D * 1:27 *	1374.2	1372.9	1362.0	* 27.8 *	* .3 *	69	800	1584	716	* 492 *	0.7	8.7	65.8	73.2	.97	.91	* 3 *	.69	1.06	* 8.6 *	9.3	11.7	* 54.1 *	1.42	488
D * 1:30 *	1376.1	1374.9	1364.0	* 26.4 *	* 5.1 *	69	800	1588	717	* 494 *	0.7	8.7	65.9	73.2	.97	.90	* 3 *	.71	1.06	* 8.6 *	9.3	11.7	* 56.1 *	1.48	474
D * 1:35 *	1378.0	1376.9	1366.0	* 23.4 *	* 3.9 *	68	700	1584	716	* 496 *	0.7	8.7	66.1	73.6	.96	.90	* 3 *	.51	1.06	* 8.6 *	9.3	11.7	* 58.0 *	1.56	463
D * 1:40 *	1380.3	1378.9	1369.0	* 21.5 *	* .8 *	68	800	1584	722	* 500 *	0.7	8.7	66.4	73.9	.94	.90	* 3 *	.70	1.06	* 8.6 *	8.7	11.7	* 60.0 *	1.63	453
D * 1:44 *	1382.0	1379.9	1370.0	* 32.0 *	* .1 *	70	600	1574	717	* 500 *	0.7	8.7	66.4	74.0	.93	.89	* 3 *	.74	.84	* 8.6 *	8.7	11.7	* 61.0 *	1.70	447
D * 1:47 *	1384.1	1382.9	1372.0	* 45.7 *	* 5.4 *	70	900	1574	726	* 502 *	0.7	8.7	66.5	74.0	.93	.88	* 3 *	.64	.84	* 11.0 *	8.7	13.3	* 64.1 *	1.75	431
D * 2: 2 *	1387.5	1384.1	1377.0	* 16.4 *	* 3.6 *	63	800	1593	724	* 504 *	0.7	8.7	67.0	74.5	.92	.86	* 3 *	.80	.84	* 8.6 *	8.7	11.7	* 65.2 *	1.84	427
D * 2: 3 *	1388.0	1386.9	1377.0	* 76.9 *	* 2.1 *	67	700	1593	716	* 502 *	0.7	8.7	67.0	74.3	.92	.86	* 3 *	.56	.84	* 12.0 *	8.7	13.9	* 68.0 *	1.85	411
D * 2: 6 *	1390.8	1388.9	1378.0	* 51.0 *	* 1.6 *	69	700	1588	722	* 504 *	0.7	8.7	67.0	74.6	.91	.86	* 3 *	.57	.84	* 11.9 *	8.7	13.9	* 70.0 *	1.89	401
D * 2: 9 *	1392.0	1390.8	1379.0	* 32.8 *	* 4.4 *	65	900	1588	721	* 506 *	0.7	8.7	67.0	74.8	.91	.85	* 1 *	.68	.84	* 8.6 *	8.7	11.7	* 71.1 *	1.94	397
D * 2:11 *	1394.0	1392.9	1380.0	* 77.7 *	* 3.6 *	65	1100	1588	721	* 506 *	0.7	8.7	67.1	74.5	.91	.85	* 1 *	.55	.84	* 12.1 *	8.7	14.0	* 74.0 *	1.97	384
D * 2:18 *	1396.1	1394.9	1384.0	* 16.9 *	* 5.1 *	69	800	1593	726	* 512 *	0.7	8.7	67.3	74.6	.89	.89	* 1 *	.86	.84	* 8.6 *	8.7	11.7	* 76.0 *	2.09	379
D * 2:19 *	1398.3	1397.1	1384.0	* 147.1 *	* 1.3 *	69	800	1598	721	* 510 *	0.7	8.7	67.3	74.4	.88	.86	* 1 *	.41	.84	* 8.6 *	8.7	11.7	* 78.3 *	2.11	369
D * 2:21 *	1400.9	1398.9	1384.0	* 92.2 *	* .9 *	71	700	1593	726	* 512 *	0.7	8.7	67.5	74.8	.88	.84	* 3 *	.80	.84	* 8.6 *	8.7	11.7	* 80.0 *	2.13	362
D * 2:21 *	1402.1	1399.8	1384.0	* 254.1 *	* -1.2 *	67	1000	1593	726	* 510 *	0.7	8.7	67.5	74.8	.88	.84	* 3 *	-.80	.84	* 8.6 *	8.7	11.7	* 81.0 *	2.13	358
D * 2:23 *	1404.3	1402.0	1384.0	* 221.8 *	* -2 *	66	800	1602	726	* 512 *	0.7	8.7	67.6	75.0	.88	.83	* 3 *	-.80	.84	* 8.6 *	8.7	11.7	* 83.1 *	2.16	349
D * 2:24 *	1406.1	1404.9	1384.0	* 187.2 *	* -4.2 *	70	700	1598	726	* 514 *	0.7	8.7	67.5	75.3	.88	.89	* 3 *	-.80	.84	* 8.6 *	8.7	11.7	* 86.0 *	2.18	339
D * 2:25 *	1408.7	1407.0	1384.0	* 288.7 *	* -5.7 *	67	700	1593	722	* 510 *	0.7	8.7	67.5	75.3	.88	.81	* 3 *	-.80	.84	* 8.6 *	8.7	11.8	* 88.1 *	2.19	331
D * 2:26 *	1410.8	1409.6	1385.0	* 667.0 *	* -3.7 *	70	700	1593	726	* 512 *	0.7	8.7	67.6	75.4	.88	.81	* 3 *	-.80	.84	* 8.6 *	8.7	11.8	* 90.7 *	2.21	322
D * 2:26 *	1412.1	1410.9	1385.0	* 186.3 *	* -4.4 *	75	700	1602	722	* 510 *	0.7	8.7	67.6	75.3	.88	.81	* 3 *	-.80	.84	* 8.6 *	8.7	11.8	* 92.1 *	2.21	318
D * 2:26 *	1414.5	1413.3	1385.0	* 633.7 *	* -3.2 *	71	700	1593	722	* 514 *	0.7	8.7	67.6	75.3	.88	.81	* 3 *	-.80	.85	* 8.6 *	8.7	11.8	* 94.4 *	2.22	310
D * 2:33 *	1416.2	1415.0	1388.0	* 296.7 *	* -2.1 *	73	600	1570	712	* 544 *	0.7	8.7	67.8	75.0	.88	.81	* 5 *	-.80	.85	* 8.6 *	8.7	11.8	* 96.1 *	2.22	305
D * 2:34 *	1419.6	1418.4	1389.0	* 665.2 *	* -2.1 *	77	700	1570	717	* 536 *	0.7	8.7	67.8	74.8	.88	.81	* 5 *	-.80	.85	* 8.6 *	8.7	11.8	* 99.5 *	2.23	295
D * 2:35 *	1421.7	1420.5	1389.0	* 571.4 *	* -2.4 *	73	700	1565	722	* 536 *	0.7	8.7	67.8	74.7	.88	.81	* 5 *	.80	.85	* 8.6 *	8.7	11.8	* 101.7 *	2.23	289
D * 2:35 *	1426.1	1422.3	1389.0	* 459.6 *	* -3.7 *	72	700	1570	722	* 530 *	0.7	8.7	67.9	74.9	.88	.81	* 4 *	.80	.85	* 8.6 *	8.7	11.8	* 103.4 *	2.24	284
D * 2:35 *	1427.9	1426.7	1390.0	* 614.3 *	* -.7 *	72	600	1570	711	* 524 *	0.7	8.7	67.8	74.8	.87	.81	* 4 *	.80	.85	* 8.6 *	8.7	11.8	* 107.9 *	2.24	272
D * 2:35 *	1428.8	1427.4	1390.0	* 175.9 *	* -2.2 *	76	600	1574	722	* 526 *	0.7	8.7	67.8	74.8	.87	.81	* 4 *	-.80	.85	* 8.6 *	8.7	11.8	* 108.5 *	2.24	271
D * 2:36 *	1436.0	1434.3	1390.0	* 556.6 *	* -.9 *	74	600	1574	716	* 518 *	0.7	8.7	67.8	75.1	.87	.82	* 4 *	.80	.85	* 8.6 *	8.7	11.8	* 115.5 *	2.26	255
D * 2:37 *	1436.8	1435.2	1391.0	* 223.3 *	* -1.2 *	74	600	1570	716	* 516 *	0.7	8.7	67.9	75.1	.87	.83	* 3 *	-.80	.85	* 8.6 *	8.7	11.8	* 116.3 *	2.26	253
D * 2:37 *	1440.1	1438.0	1391.0	* 748.8 *	* -2.9 *	74	600	1565	717	* 512 *	0.7	8.7	67.9	75.2	.87	.83	* 3 *	-.80	.85	* 8.6 *	8.7	11.8	* 119.1 *	2.26	247
D * 2:37 *	1441.1	1438.0	1391.0	* 748.8 *	* .8 *	75	600	1547	717	* 514 *	0.7	8.7	67.9	75.2	.87	.83	* 4 *	-.80	.85	* 8.6 *	8.7	11.8	* 121.0 *	2.27	243
D * 2:37 *	1442.6	1440.9	1391.0	* 414.7 *	* -1.9 *	74	600	1561	718	* 514 *	0.7	8.7	67.9	75.1	.87	.84	* 3 *	.80	.85	* 8.6 *	8.7	11.8	* 122.0 *	2.27	241
D * 2:37 *	1444.5	1442.5	1391.0	* 721.4 *	* -2.7 *	73	600	1551	722	* 514 *	0.7	8.7	67.8	75.0	.87	.84	* 4 *	-.80	.85	* 8.6 *	8.7	11.8	* 123.6 *	2.27	238

2 x lbs
 CROSS OUT VALUES
 WOR 20 TO 1 WOOD