

RATE OF FLOW CALCULATIONS

	COEFF	P(M)	F(T)	F(G)	F(DV)	RATE OF FLOW	P(R)	R	T(R)	Z	PCR	73	TCR	347
1	4.7524	124.9	743.2	1.306	1.050	799	1.10	540	1.56	0.907				
2	4.7524	105.4	673.2	1.306	1.045	671	1.00	540	1.56	0.915				
3	4.7524	100.5	673.2	1.306	1.045	647	1.00	532	1.53	0.909				
4	4.7524	81.6	653.2	1.306	1.048	525	0.97	532	1.53	0.911				

LIQUID GRAVITY 0.0 GOR 0

FLOW RATE NO. 1

DOWN HOLE

L 14065 H 14065 L/H 1.0000 G 0.586 D 0.799 MWCED PCR 673 TCR 347

INTERVAL NO. 1 ID 2.441 OD 0.0 FR 0.010763 (L/H)(F(R)Q(M))SO 0.000074

H	GH	P(M)	P(R)	T	T(R)	Z	SO	11+12	T(M)	M	N	MAX	STUCK	MAX
0	0.0	761.2	1.13	542	1.56	0.905	0.002608	0.002482	625.190	0	0.0	0	0	0
5984	3506.62	131498	1.29	590	1.70	0.926	0.002516	0.002590	612.399	106	1237.289	131425	131425	262860
11968	7013.25	262996	1.45	639	1.84	0.941	0.002634	0.002708	599.345	108	1211.744	131435	131435	262860

DELTA P (D-22) EQUALS 214.7 P(M) (D-21) EQUALS 975.9 AT 11968 FT

INTERVAL NO. 2 ID 4.000 OD 0.0 FR 0.002963 (L/H)(F(R)Q(M))SO 0.000006

H	GH	P(M)	P(R)	T	T(R)	Z	SO	11+12	T(M)	M	N	MAX	STUCK	MAX
11968	7013.25	262996	1.45	639	1.84	0.941	0.002634	0.002640	614.817	0	0.0	0	0	0
13016	7627.67	286037	1.48	647	1.87	0.943	0.002654	0.002659	612.566	18	1227.383	22998	285995	308995
14065	8242.09	309078	1.50	656	1.89	0.945	0.002673	0.002678	610.391	18	1222.958	22999	308995	308995

DELTA P (D-22) EQUALS 37.6 P(M) (D-21) EQUALS 1013.6 AT 14065 FT

FLOW RATE NO. 1

UP HOLE

L	14065	H	14065	L/H	1.0000	G	0.586	D	0.799	MWCED	PCR	673	TCR	347	UP HOLE
H	GH	P(N)	P(R)	T	T(R)	Z	--11--	11+12	I(N)	M	N	MAX	STUCK	MAX	
14065	8242.09	1013.6	1.50	656	1.89	0.945	0.002673	0.002673	611.630	0	0.0	0	0	0	0
7032	4121.04	154539	1.32	542	1.73	0.929	0.002551	0.002551	626.086	124	1237.716	154399	154399	309078	154578
0	0.0	766.5	1.14	542	1.56	0.904	0.002448	0.002448	639.198	122	1265.284	154710	154710	-31	0
DELTA P (10-22) EQUALS 246.9															P(N) (10-21) EQUALS 766.6 AT 0 + 1

DELTA P (D-22) EQUALS 246.9 P(M) (D-21) EQUALS 766.6 AT 0 FT

57 7

FLOW RATE NO. 2

DOWN HOLE

L 14065 H 14065 L/H 1.0000 G 0.586 D 0.671 MWCED PCR 673 TCR 347

INTERVAL NO. 1 ID 2.441 OD 0.0 FR 0.010763 (L/H)(F(R)Q(M))SO 0.000052

H	GH	P(M)	P(R)	T	T(R)	Z	SO	11+12	T(M)	M	N	MAX	STUCK	MAX
0	0.0	719.2	1.07	536	1.56	0.905	0.002198	0.002250	658.838	0	0.0	0	0	0
5984	3506.62	131498	1.22	587	1.69	0.927	0.002269	0.002321	648.975	100	1307.813	131464	131464	262996
11968	7013.25	262996	1.37	638	1.84	0.943	0.002347	0.002399	638.591	102	1287.566	131450	131450	262996

DELTA P (D-22) EQUALS 202.7 P(M) (D-21) EQUALS 921.9 AT 11968 FT

INTERVAL NO. 2 ID 4.000 OD 0.0 FR 0.002963 (L/H)(F(R)Q(M))SO 0.000004