

PRODUCTION Bbl/DAY 100% Vol. eff.	PLUNGER SIZE (INCHES)	ROD SIZE API	STROKES PER MINUTE	PRIME MOVER HORSE POWER	ENGINE	API PUMPING UNIT SIZE
<b>2,000 Ft. PUMP DEPTH</b>						
100	1.5	55	14.0	2.6	C-46	25-53-30
200	1.75	55	17.3	5.3	C-46	40-89-36
300	2.0	55	14.9	6.0	C-46	80-109-48
400	2.0	55	17.3	10.6	C-66	80-119-54
500	2.25	55	17.6	13.3	C-66	114-133-54
600	2.25	55	15.0	16.0	C-96/VR-220	160-143-74
800	2.5	55	16.5	21.3	C-106/VR-220	160-143-74
1000	2.75	66	16.7	26.6	C-106/VR-220	228-173-74
1250	2.75	66	17.5	33.3	C-255/VR-330	320-218-86
1500	2.75	77	14.4	39.9	C-255/VR-330	456-213-120
<b>3,000 Ft. PUMP DEPTH</b>						
100	1.25	55	16.5	14.0	C-46	40-89-36
200	1.5	55	17.2	18.0	C-46	80-109-48
300	1.75	55	17.6	12.0	C-66	114-133-54
400	1.75	55	16.3	16.0	C-96	160-143-74
500	2.0	66	15.5	20.0	C-96/VR-220	228-178-74
600	2.0	66	15.8	23.9	C-106/VR-220	320-213-86
800	2.25	66	16.9	32.0	C-255/VR-220	320-213-86
1000	2.5	76	12.4	39.9	C-255/VR-330	456-213-120
1250	2.5	76	15.2	50.0	L-795/VR-330	640-305-120
1500	2.75	76	15.3	60.0	L-795/VR-330	640-305-120
<b>4,000 Ft. PUMP DEPTH</b>						
100	1.25	66	12.3	5.3	C-46	80-109-48
200	1.5	66	11.1	10.6	C-66	160-143-74
300	1.5	66	15.5	16.0	C-96	228-173-74
400	1.75	76	13.9	21.3	C-106	320-213-86
500	1.75	76	16.5	26.6	C-106/VR-220	320-213-86
600	1.75	76	14.2	32.0	C-255/VR-330	456-213-120
800	2.0	76	14.9	42.6	C-255/VR-330	640-305-120
1000	2.5	86	10.6	53.2	L-795/VR-330	912-365-144
1250	2.75	86	11.1	66.5	L-1770	912-365-144
1500	2.75	97	9.5	79.8	L-1770	1280-427-192
<b>5,000 Ft. PUMP DEPTH</b>						
100	1.5	75	11.3	6.7	C-46	80-133-48
200	1.5	75	12.1	13.3	C-66	228-173-74
300	1.75	76	11.3	20.0	C-96	320-213-86
400	1.75	76	15.0	26.7	C-106/VR-220	320-213-86
500	1.75	85	12.6	33.4	C-255/VR-330	640-305-120
600	1.75	86	14.2	40.0	C-255/VR-330	640-305-120
<b>6,000 Ft. PUMP DEPTH</b>						
100	1.25	75	10.6	8.0	C-46	114-143-64
200	1.25	75	16.6	16.0	C-96	228-173-74
300	1.5	76	14.9	24.1	C-106/VR-220	320-213-86
400	1.75	86	10.5	32.0	C-106/VR-330	640-305-120
500	1.75	85	13.1	40.0	C-255/VR-330	640-305-120
600	1.75	86	12.2	47.9	L-795/VR-330	942-365-144
<b>7,000 Ft. PUMP DEPTH</b>						
100	1.25	75	9.9	9.3	C-46	160-173-74
200	1.25	75	16.0	18.6	C-96/VR-220	228-173-74
300	1.5	76	15.6	27.9	C-106/VR-220	320-213-86
400	1.75	85	12.1	37.2	C-255/VR-330	640-305-120
500	1.75	85	14.1	46.6	C-255/VR-330	640-305-120
600	1.75	86	9.2	55.9	L-795/VR-330	942-365-144
<b>10,000 Ft. PUMP DEPTH</b>						
100	1.25	85	8.6	13.3	C-66	320-256-100
200	1.25	85	11.0	26.7	C-106/VR-220	456-256-120
300	1.25	96	10.5	39.9	C-255/VR-330	912-365-168
<b>11,000 Ft. PUMP DEPTH</b>						
100	1.25	85	8.7	14.6	C-96	320-256-100
200	1.25	85	8.5	29.3	C-106/VR-220	640-305-168
300	1.25	96	9.3	43.9	C-255/VR-330	280-427-192