

FEDERAL CATTLE RANCH UNIT #1

<u>Depth Ft.</u>	<u>Angle of Declin. Degrees</u>	<u>Displac. Ft.</u>	<u>Accum. Displ. Ft.</u>
308	1	8.06	8.06
536	2 $\frac{1}{4}$	8.96	17.02
570	2 $\frac{1}{2}$	1.48	18.50
596	2 $\frac{3}{4}$	1.02	19.52
624	2 $\frac{3}{4}$	1.14	20.66
654	2 $\frac{3}{4}$	1.14	21.80
685	2 $\frac{1}{4}$	1.22	23.02
750	2 $\frac{1}{4}$	2.55	25.57
780	2 $\frac{3}{4}$	1.18	26.75
828	2	4.12	30.87
958	2	2.09	32.96
989	2	1.08	34.04
1049	1-3/4	1.83	35.87
1080	1 $\frac{1}{2}$	.81	36.68
1170	1	1.58	38.26
1230	1	1.05	39.31
1265	1 $\frac{1}{4}$	.76	40.07
1351	1	1.51	41.58
1532	3/4	2.37	43.95
1654	3/4	1.21	45.16
1743	1 $\frac{1}{4}$	2.01	47.17
1772	1	.46	47.63
1840	1	1.19	48.82
1894	1	.95	49.77
1955	1	1.07	50.84
2016	1	1.07	51.91
2140	1	2.17	54.08
2285	1 $\frac{1}{4}$	3.16	57.24
2340	1	.96	58.20
2420	1	1.58	59.78
2490	1	1.05	60.83
2509	1	2.08	62.91
2695	1	1.51	64.42
2754	1	1.03	65.45
2955	1	3.52	68.97
3101	3/4	1.91	70.88
3191	1	1.58	72.46
3280	1	1.56	74.02
3460	2/4	2.36	76.38
3549	1 $\frac{1}{2}$	.77	77.15
3744	2/4	1.24	78.39
3845	1 $\frac{1}{4}$	.88	79.27
3933	3/4	1.15	80.42
4023	1 $\frac{1}{2}$	.78	81.20
4115	1 $\frac{1}{2}$	.80	82.00
4321	1 $\frac{1}{4}$	.91	82.91
4412	3/4	1.19	84.10
4503	3/4	1.19	85.29
4563	2/4	.79	86.08
4681	2/4	1.55	87.63
4800	1 $\frac{1}{2}$	3.12	90.75
4859	3/4	.77	91.52
4949	1 $\frac{1}{2}$	2.36	93.88
5127	1	3.12	97.00
5217	1 $\frac{1}{4}$	1.96	98.96
5306	1	1.59	100.59
5398	1 $\frac{1}{4}$	.65	101.20
5398	1 $\frac{1}{4}$	1.31	102.51
5479	1	1.07	103.58
5520	3/4	.80	104.38
5608	1	1.54	105.92
5707	3/4	1.95	107.87
5812	3/4	1.13	109.00
5912	1	1.56	110.56
6020	1	1.54	112.10
6126	1-3/4	5.37	117.47
6375	3/4	2.34	119.81

FEDERAL CASS PAUNCH SHEET #1

<u>Depth</u> <u>Ft.</u>	<u>Angle of</u> <u>Inclin.</u> <u>Degrees</u>	<u>Displac.</u> <u>Ft.</u>	<u>Accum.</u> <u>Displ.</u> <u>Ft.</u>
6435	1 $\frac{1}{4}$	1.33	121.14
6574	1	2.07	123.21
6704	3/4	1.97	125.18
6762	1 $\frac{1}{4}$	1.26	126.44
6822	1	1.05	127.49
6882	1	1.05	128.54
6972	1-3/4	2.75	131.29
7050	1 $\frac{1}{4}$	1.90	133.19
7118	1 $\frac{1}{4}$	1.29	134.48
7236	1 $\frac{1}{4}$	2.57	137.05
7383	2	5.13	142.18
7473	2 $\frac{1}{4}$	3.54	145.72
7562	1-3/4	2.71	148.43
7682	1 $\frac{1}{2}$	3.14	151.57
7745	1 $\frac{1}{2}$	1.65	153.22
7802	1 $\frac{1}{4}$	1.24	154.46
7919	1-3/4	3.57	158.03
8038	1-3/4	3.63	161.66
8158	2 $\frac{1}{2}$	5.23	166.89
8218	2	2.09	168.98
8277	2	2.06	171.04
8307	1 $\frac{1}{2}$	.79	171.83
8436	2 $\frac{1}{4}$	7.43	179.26
8643	2	5.13	184.39
8672	2	1.01	185.40
8703	2	1.08	186.48
8762	2 $\frac{1}{4}$	2.32	188.80
8850	2-3/4	4.22	193.02
8910	2 $\frac{1}{2}$	2.62	195.64
8939	2-3/4	1.39	197.03
8998	2 $\frac{1}{4}$	2.32	199.35
9030	3	1.67	201.02
9050	2 $\frac{1}{2}$	.87	201.89
9085	2 $\frac{1}{4}$	1.38	203.27
9122	1 $\frac{1}{2}$	.97	204.24
9171	1-3/4	1.49	205.73
9208	1-3/4	1.13	206.86
9238	1 $\frac{1}{4}$	.13	206.99
9297	1	1.03	208.02
9348	2/4	.67	208.69
9381	1 $\frac{1}{2}$	.20	208.89
9410	2-3/4	.38	209.26
9471	1 $\frac{1}{4}$	.27	209.53
9510	1 $\frac{1}{4}$	.17	209.80
9601	1 $\frac{1}{4}$	1.98	211.78
9631	1	.13	211.91
9661	2 $\frac{1}{2}$	1.31	213.22
9718	3 $\frac{1}{4}$	3.23	216.45
9737	3-3/4	4.51	220.96
9800	3 $\frac{1}{2}$	.79	221.75
9825	2-3/4	1.64	223.39