

BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY CHAMA PETROLEUM CO. WELL NAME PARINO #1
DATE OF TEST 12-28-83 TO 12-31-83 FORMATION PAGE 1 OF 2
COMPANY MAN BURL REYNOLDS

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3#46950 RANGE 7250 LBS.
CLOCK NUMBER 27193 RANGE 72 HOUR
ELEMENT NUMBER RPG3#46632 RANGE 7000 LBS.
CLOCK NUMBER 30336 RANGE 72 HOUR
TIME WELL SHUT IN 1840 HOUR 12-28-83
TIME CLOCK STARTED 1735 HOUR 12-28-83
DEAD WEIGHT ELEMENT ON SURFACE 2713.2 PSIA FLOWING LBS.
TIME ELEMENT REACHED BOTTOM 1803 HOUR 12-28-83
DEAD WEIGHT ELEMENT ON BOTTOM 2413.2 PSIA SHUT IN LBS.
ELEMENT SET AT 9170 FEET
TEMPERATURE 9170 FT. 210° °F.
3038.2 PSIA DEAD WEIGHT AT THE END OF 90 HOURS 11 MINUTES

71 1/4 HOUR BUILD UP TEST

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
12-28-83	0	1840		2813	13.2	2826.2	
	1/4	1855		3182	13.2	3195.2	
	1/2	1910		3334	13.2	3347.2	
	3/4	1925		3428	13.2	3441.2	
	1	1940		3488	13.2	3501.2	
	1 1/4	1955		3530	13.2	3543.2	
	1 1/2	2010		3555	13.2	3568.2	
	1 3/4	2025		3580	13.2	3593.2	
	2	2040		3598	13.2	3611.2	
	2 1/4	2055		3616	13.2	3629.2	
	2 1/2	2110		3627	13.2	3640.2	
	2 3/4	2125		3638	13.2	3651.2	
	3	2140		3649	13.2	3662.2	
	3 1/4	2155		3660	13.2	3673.2	
	3 1/2	2210		3666	13.2	3679.2	
	3 3/4	2225		3671	13.2	3684.2	
	4	2240		3680	13.2	3693.2	
	4 1/4	2255		3689	13.2	3702.2	
	4 1/2	2310		3693	13.2	3706.2	
	4 3/4	2325		3696	13.2	3709.2	
	5	2340		3699	13.2	3712.2	
	5 1/2	2410		3709	13.2	3722.2	
	6	2440		3716	13.2	3729.2	
12-29-83	6 1/2	0110		3721	13.2	3734.2	
	7	0140		3728	13.2	3741.2	
	7 1/2	0210		3731	13.2	3744.2	
	8	0240		3735	13.2	3748.2	
	8 1/2	0310		3738	13.2	3751.2	
	9	0340		3740	13.2	3753.2	
	9 1/2	0410		3742	13.2	3755.2	
	10	0440		3745	13.2	3758.2	
	11	0540		3749	13.2	3762.2	
	12	0640		3754	13.2	3767.2	
	13	0740		3758	13.2	3771.2	
	14	0840		3758	13.2	3771.2	
	16	1040		3763	13.2	3776.2	
	18	1240		3766	13.2	3779.2	