

BENNET - CATHEY

(505) 748-3354 / Artesia, New Mexico 8210

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY T.H. MC ELVAIN JR. WELL NAME RATTLESNAKE STATE WELL NO. 1
 DATE OF TEST 6-9-82 FORMATION ABO PAGE 1 OF 1
 COMPANY MAN GEORGE BROOME

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #21121N RANGE 5,000 LBS.
 CLOCK NUMBER 20915 RANGE 120 HOURS
 TIME WELL SHUT IN 1800 HOURS 6-9-82
 TIME CLOCK STARTED 1208 HOURS 6-9-82
 DEAD WEIGHT ELEMENT ON SURFACE N/A LBS.
 TIME ELEMENT REACHED BOTTOM 1231 HOURS 6-9-82
 DEAD WEIGHT ELEMENT ON BOTTOM 600 PSIA LBS.
 ELEMENT SET AT 3,766 FEET.
 TEMPERATURE 3,766 FT. 98 °F.
 915 PSIA DEAD WEIGHT AT THE END OF 92 HOURS 20 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
6-9-82	0	1800		815	13.2		828
	1/4	1815		860	13.2		873
	1/2	1830		917	13.2		930
	3/4	1845		941	13.2		954
	1	1900		964	13.2		977
	1-1/4	1915		976	13.2		989
	1-1/2	1930		987	13.2		1000
	1-3/4	1945		995	13.2		1008
	2	2000		1000	13.2		1013
	2-1/4	2015		1006	13.2		1019
	2-1/2	2030		1009	13.2		1022
	2-3/4	2045		1012	13.2		1025
	3	2100		1016	13.2		1029
	3-1/2	2130		1023	13.2		1036
	4	2200		1026	13.2		1039
	5	2300		1033	13.2		1046
	6	2400		1036	13.2		1049
6-10-82	7	0100		1040	13.2		1053
	8	0200		1043	13.2		1056
	10	0400		1046	13.2		1059
	12	0600		1049	13.2		1062
	14	0800		1050	13.2		1063
	16	1000		1052	13.2		1065
	18	1200		1054	13.2		1067
	20	1400		1054	13.2		1067
	25	1900		1056	13.2		1069
	30	2400		1056	13.2		1069
6-11-82	35	0500		1056	13.2		1069
	40	1000		1057	13.2		1070
	45	1500		1058	13.2		1071
	50	2000		1058	13.2		1071
	55	0100		1058	13.2		1071
6-12-82	60	0600		1058	13.2		1071
	65	1100		1058	13.2		1071
	70	1600		1058	13.2		1071
	75	2100		1058	13.2		1071
	80	0200		1058	13.2		1071
6-13-82	85	0700		1058	13.2		1071