

BENNETT WIRE LINE SERVICE

Artesia, New Mexico 88210

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY AMOCO

WELL NAME LANCASTER SPRINGS UNIT #1

DATE OF TEST 2-25-81 TO 2-27-81 LOCATION HAPPY VALLEY MORROW PAGE 1 OF 2

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3# 46519, 0-10,000 LB. RANGE

TIME WELL SHUT IN 1130 HOURS 2-25-81

TIME CLOCK STARTED 0936

DEAD WEIGHT ELEMENT ON SURFACE 746 LBS. FLOWING

TIME ELEMENT REACHED BOTTOM 1107

DEAD WEIGHT ELEMENT ON BOTTOM 693 LBS. FLOWING

ELEMENT SET AT 11,121 FEET

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE	PRESSURE AT MID-POINT OF PERFORATIONS P.S.I.A.
2-25-81	0	1130		1,582	13.2		1,595
	10	1140		2,431	13.2		2,444
	20	1150		2,641	13.2		2,654
	30	1200		2,722	13.2		2,735
	40	1210		2,773	13.2		2,786
	50	1220		2,816	13.2		2,829
	60	1230		2,763	13.2		2,776
	70	1240		2,743	13.2		2,756
	80	1250		2,738	13.2		2,751
	90	1300		2,738	13.2		2,751
	100	1310		2,738	13.2		2,751
	110	1320		2,738	13.2		2,751
	2HR	1330		2,738	13.2		2,751
	2½	1400		2,738	13.2		2,751
	3	1430		2,738	13.2		2,751
	3½	1500		2,740	13.2		2,753
	4	1530		2,743	13.2		2,756
	5	1600		2,744	13.2		2,757
	5½	1630		2,746	13.2		2,759
	6	1730		2,750	13.2		2,763
	7	1830		2,753	13.2		2,766
	8	1930		2,756	13.2		2,769
	9	2030		2,758	13.2		2,771
	10	2130		2,763	13.2		2,776
2-26-81	12	2330		2,768	13.2		2,781
	14	0130		2,773	13.2		2,786
	16	0330		2,783	13.2		2,796
	18	0530		2,794	13.2		2,807
	20	0730		2,800	13.2		2,813
	22	0930		2,804	13.2		2,817
	24	1130		2,809	13.2		2,822
	26	1330		2,814	13.2		2,827
	28	1530		2,818	13.2		2,831
	30	1730		2,824	13.2		2,837
	32	1930		2,829	13.2		2,842
	34	2130		2,833	13.2		2,846
2-27-81	36	2330		2,838	13.2		2,851
	38	0130		2,844	13.2		2,857
	40	0330		2,849	13.2		2,862
	42	0530		2,854	13.2		2,867