

BENNETT - CATHEY
Aresia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY BERGE EXPLORATION WELL NAME DALE FEDERAL WELL NO. 12
DATE OF TEST 4-25-82 TO 4-28-82 FORMATION ABO PAGE 1 OF 1
72 HOURS BUILD UP

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #7201B RANGE 3,200 LBS.
CLOCK NUMBER 10949 RANGE 72 HOURS
TIME WELL SHUT IN 2120 HOURS 4-25-82
TIME CLOCK STARTED 2102 HOURS
DEAD WEIGHT ELEMENT ON SURFACE 533 PSIA FLOWING LBS.
TIME ELEMENT REACHED BOTTOM 2112 HOURS
DEAD WEIGHT ELEMENT ON BOTTOM 533 PSIA FLOWING LBS.
ELEMENT SET AT 4,450 FEET.
TEMPERATURE 4,450 FT. 110 °F.
987 PSIA DEAD WEIGHT AT THE END OF 72 HOURS 58 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
4-25-82	0	2120		749	13.2	762	
	1/4	2135		966	13.2	979	
	1/2	2150		1032	13.2	1045	
	3/4	2205		1045	13.2	1058	
	1	2220		1069	13.2	1082	
	1-1/4	2235		1076	13.2	1089	
	1-1/2	2250		1082	13.2	1095	
	1-3/4	2305		1085	13.2	1098	
	2	2320		1089	13.2	1102	
	2-1/2	2350		1092	13.2	1105	
	3	2420		1095	13.2	1108	
	3-1/2	2450		1097	13.2	1110	
4-26-82	4	0120		1100	13.2	1113	
	4-1/2	0150		1101	13.2	1114	
	5	0220		1102	13.2	1115	
	6	0320		1105	13.2	1118	
	7	0420		1106	13.2	1119	
	8	0520		1108	13.2	1121	
	9	0620		1109	13.2	1122	
	10	0720		1110	13.2	1123	
	12	0920		1112	13.2	1125	
	14	1120		1113	13.2	1126	
	16	1320		1114	13.2	1127	
	18	1520		1115	13.2	1128	
	20	1720		1115	13.2	1128	
	25	2220		1118	13.2	1131	
4-27-82	30	0320		1119	13.2	1132	
	35	0820		1120	13.2	1133	
	40	1320		1121	13.2	1134	
	45	1820		1122	13.2	1135	
	50	2320		1123	13.2	1136	
4-28-82	55	0420		1123	13.2	1136	
	60	0920		1123	13.2	1136	
	65	1420		1123	13.2	1136	
	70	1920		1123	13.2	1136	
	71-3/4	2035		1123	13.2	1136	

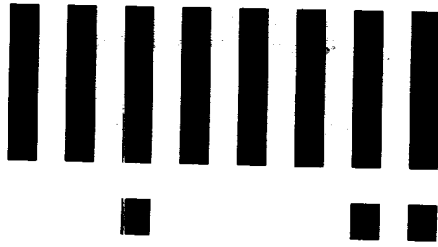
Bird, Flannery & Stratton, Inc.

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MAY 13 1982

O. C. D.

APPROVED



LTR



Job separation sheet



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BOTTOM HOLE PRESSURE SURVEY REPORT MAY 13 1982

OPERATOR BERGE EXPLORATION
LEASE DALE FEDERAL
WELL NO. 12
POOL FORMATION ABO
DATE 4-28-82 TIME 2218 HOURS
CO. MAN WES SHIELDS
STATUS SHUT IN TEST DEPTH 4,450 FEET
TIME S.I. 2120 HRS LAST TEST DATE 1ST TEST
4-25-82 BHP LAST TEST
TUB. PRES. 987 BHP CHANGE
CAS. PRES. FLUID TOP
DATUM PLANE WATER TOP
DATUM PSIA 1136 RUN BY BOB HERREN
TEMP 110° CLOCK #
PRESSURE RANGE 3,200 LBS.
ELEMENT NO. RPG3 #7201B

DEPTH	O. C. D.	
	PRESSURE	GRADIENT
0	987	
1,000	1007	2.0
2,000	1046	3.9
3,000	1081	3.5
4,000	1115	2.8
4,306	1127	4.6
4,450	1136	6.0

TIME B.H.P. MEASURED: 2218 HOURS

LENGTH OF TIME WELL SHUT IN: 72 HRS.
58 MIN.

