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BENNETT - CATHEY

Artesia, New Mexico 88210

DANNY HOKETT

SUBSURFACE PRESSURE MEASUREMENTS

SEP 9 1981

COMPANY DEPCO

WELL NAME COQUINA FEDERAL #1

DATE OF TEST 8-21-81 TO 8-24-81

FORMATION MORROW

O. C. D.

ARTESIA OFFICE
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CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

** ELEMENT NUMBER RPG3#36641 RANGE 0-4,000 LBS.
 CLOCK NUMBER 19040 RANGE 72 HOURS
 TIME WELL SHUT IN 1334 8-21-81
 TIME CLOCK STARTED 1158
 DEAD WEIGHT ELEMENT ON SURFACE 939 FLOWING LBS.
 TIME ELEMENT REACHED BOTTOM 1313
 DEAD WEIGHT ELEMENT ON BOTTOM 880 FLOWING LBS.
 ELEMENT SET AT 9157 FEET.
 TEMPERATURE 9157 FT. 145 °F.
 2750 PSIA DEAD WEIGHT AT THE END OF 65 HOURS 59 MINUTES.
 ** TANDEM BOMBS USED #2 - RPG3#46951, 0-7,000 LBS.

DATE	HOUR	TIME	DEFLECTION inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
8-21-81	0	1334		1,376	13.2		1,389
	1	1349		1,642	13.2		1,655
	2	1404		2,115	13.2		2,128
	3 1/4	1419		2,573	13.2		2,586
	1	1434		2,808	13.2		2,821
	1 1/4	1449		3,036	13.2		3,049
	1 1/2	1504		3,199	13.2		3,212
	1 3/4	1519		3,317	13.2		3,330
	2	1534		3,401	13.2		3,414
	2 1/4	1549		3,465	13.2		3,478
	2 1/2	1604		3,512	13.2		3,525
	2 3/4	1619		3,549	13.2		3,562
	3	1634		3,580	13.2		3,593
	3 1/4	1649		3,598	13.2		3,611
	3 1/2	1704		3,612	13.2		3,625
	3 3/4	1719		3,627	13.2		3,640
	4	1734		3,641	13.2		3,654
	4 1/4	1804		3,657	13.2		3,670
	4 1/2	1834		3,674	13.2		3,687
	4 3/4	1934		3,694	13.2		3,707
	5	2034		3,708	13.2		3,721
	5 1/4	2134		3,717	13.2		3,730
	5 1/2	2234		3,725	13.2		3,738
	5 3/4	2334		3,731	13.2		3,744
8-22-81	11	2434		3,734	13.2		3,747
	12	0134		3,739	13.2		3,752
	13	0234		3,742	13.2		3,755
	14	0334		3,746	13.2		3,759
	15	0434		3,751	13.2		3,764
	20	0934		3,764	13.2		3,777
	25	1434		3,775	13.2		3,788
8-23-81	30	1934		3,782	13.2		3,795
	35	2434		3,788	13.2		3,801
	40	0534		3,795	13.2		3,808
	45	1034		3,798	13.2		3,811
8-24-81	50	1534		3,800	13.2		3,813
	60	0134		3,804	13.2		3,817
	63 1/2	0504		3,805	13.2		3,818