

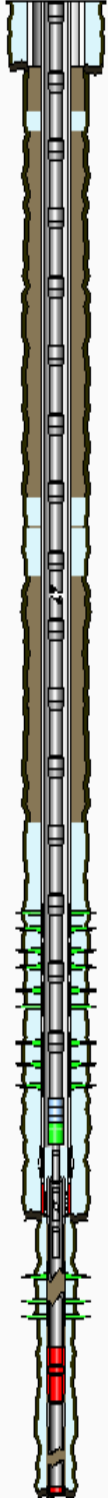
KERR-MCGEE ROCKY MOUNTAIN CORP

**PALOMBO 23-4L
NW NW 23 3N 67W -- --
WELD,COLORADO
03/13/2013**

AREA: N2 ROUTE: N23 Spud: 01/18/1993 WINS No.: 75622 AFE/WO#: 88302337 API#: 0512316686

GL: 4804 KB: 4817 MTD: 7895 TVD: 7895 LOG MD: 7896 PBMD: 7862 PBTVD: 7862

Directions: HWY 66 & WCR 21, N 8/10, E 1/10 INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE	12.25	13	525	01/18/1993				
PRODUCTION	7.88	525	7397	01/24/1993				
DEEPENED	3.88	7397	7895	03/16/2001				
<u>TUBULARS</u>	<u>Tool Type</u>	<u>Joints</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Top D</u>	<u>Bottom D</u>
SURFACE CASING	Casing	11	8.63	23	WC-50		13	521
PRODUCTION CASING	Casing	179	4.50	11.6	M-75	8RD EUE	13	7394
	Casing Guide Shoe	1	4.50				7394	7396
DEEPENED LINER	Liner Hanger	1			WTHRFRD		7348	7352
	Tubing Joint(s)	17	2.88		N-80		7352	7862
	Casing Float Collar	1	2.88				7862	7863
	Tubing Joint(s)	1	2.88		N-80		7863	7893
	Casing Guide Shoe	1	2.88				7893	7894
PRODUCTION TUBING	Tubing	233	2.38	4.70	J-55	External-Ups	13	7323
	Seating Nipple	1	2.38				7323	7324
	Crossover	1					7324	7325
	Tubing	12	1.25	2.33	J-55	10RD IJ'	7325	7716
<u>CEMENT JOBS</u>	<u>Stage</u>	<u>Sacks</u>	<u>Cement Jobs</u>	<u>Top D</u>	<u>Btm D</u>	<u>cbl</u>		
SURFACE CASING	STAGE 1	420	TYPE 1	13	525	No		
PRODUCTION CASING	STAGE 1	210	G	6380	7397	Yes		
DEEPENED LINER	STAGE 1	35	G	7348	7894	Yes		
PRODUCTION CASING	SQUEEZE JOB	175	LEAD-1 NEAT	4100	4463	Yes		
PRODUCTION CASING	REMEDIAL CEMENT	75	LEAD CEMENT	3858	4077	Yes		
PRODUCTION CASING	REMEDIAL CEMENT		PRE FLU&FRESH WATER	858	1005	No		
	REMEDIAL CEMENT		DISPLAC&FRESH WATER	858	1005	No		
	REMEDIAL CEMENT	125	LEAD CEMENT	858	1005	No		
<u>PERFORATIONS</u>	<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>	
	NIORARA	A	7012	7022	03/17/2008	PRODUCTION	A Bench	
	NIORARA	B	7067	7077	03/17/2008	PRODUCTION	B Bench	
	NIORARA	C	7134	7154	03/11/2008	PRODUCTION		
	CODELL		7289	7299	01/28/1993	PRODUCTION		
	CODELL		7290	7303	12/03/1999	PRODUCTION		
	J SAND		7734	7738	03/21/2001	PRODUCTION		
	J SAND		7748	7788	03/21/2001	PRODUCTION		

Comments: