

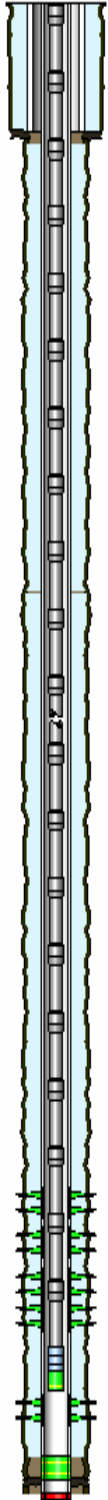
KERR-MCGEE ROCKY MOUNTAIN CORP

**BROWN 23-1
SW SE 1 3N 67W -- --
WELD,COLORADO
03/11/2013**

AREA: N2 ROUTE: N21 Spud: 03/23/2006 WINS No.: 75642 AFE/WO#: 88274541 API#: 0512323662

GL: 4785 KB: 4797 MTD: 7500 TVD: 7500 LOG MD: 7549 PBMD: 7509 PBTVD: 7395

Directions: WCR 36 & WCR 25, 1/2 W, N INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>
SURFACE	12.25	12	794	03/25/2006
BUILD	7.88	2002	2200	03/27/2006
HOLD	7.88	2201	5000	03/28/2006
DROP	7.88	5001	5500	03/28/2006
PRODUCTION	7.88	795	7545	03/29/2006
BTM PRODUCTION	7.88	5501	7545	03/29/2006

<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	18	8.63	24	J-55	STC	12	784
PRODUCTION CASING	Casing	180	4.50	11.6	I-80	LTC	12	7540
		1	4.50				7540	7541
	Casing	1	4.50				7541	7568
	Casing Guide Shoe	1	4.50				7568	7569
PRODUCTION TUBING	Tubing	233	2.38	4.70	J-55	External-Ups	12	7367
	Seating Nipple	1	2.38				7367	7368
	Notched Collar	1	2.38				7368	7369

<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	620	NEAT	12	784	No
	SQUEEZE 1	100	NEAT	12	784	No
PRODUCTION CASING	STAGE 1	300	LITE	3538	5182	Yes
	STAGE 1 MIDDLE	75	LITE	5182	6410	Yes
	STAGE 1 TAIL	200	50/50 POZ-MIX	6410	7540	Yes
PRODUCTION CASING	REMEDIAL CEMENT		SPACER FRESH WATER	852	3527	Yes
	REMEDIAL CEMENT		PRE FLU&SMS WATER	852	3527	Yes
	REMEDIAL CEMENT		SPACER FRESH WATER	852	3527	Yes
	REMEDIAL CEMENT		DISPLAC&FRESH WATER	852	3527	Yes
	REMEDIAL CEMENT	700	LEAD NEAT CEMENT	852	3537	Yes

<u>PERFORATIONS</u>	<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>
	NIOBRARA	A	7100	7110	12/17/2009	PRODUCTION	
	NIOBRARA	B	7166	7176	12/17/2009	PRODUCTION	
	NIOBRARA	C	7242	7250	12/17/2009	PRODUCTION	
	NIOBRARA	C	7258	7270	12/17/2009	PRODUCTION	
	CODELL		7389	7408	04/10/2006	PRODUCTION	3 SPF

Comments: