

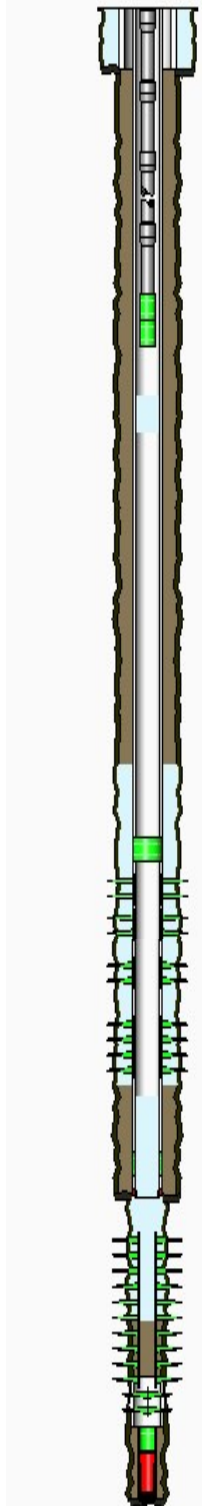
**KERR-MCGEE OIL AND GAS ONSHORE LP**

**BRANDEL 5-14A  
SW NW 14 3N 66W -- --  
WELD,COLORADO  
04/29/2014**

**AREA: N1      ROUTE: N14    Spud: 09/19/1992    WINS No.: 76848    AFE/WO#: 88492143    API#: 0512316169**

**GL: 4912    KB: 4922    MTD: 7951    TVD: 7951    LOG MD: 7938    PBMD: 7928    PBTVD: 7928**

**Directions:    WCR 33 & WCR 34, S 3/10, E INTO**



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>			
SURFACE	12.25	10	570	09/20/1992			
PRODUCTION	7.88	570	7492	09/24/1992			
DEEPENED	3.88	7492	7951	03/01/1998			

<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	13	8.63	24			10	555
PRODUCTION CASING	Casing	168	4.50	11.6			10	7451
		1	4.50	11.6			7451	7453
	Casing	1	4.50	11.6	I-70		7453	7487
	Casing Guide Shoe	1	4.50				7487	7488
DEEPENED LINER	Liner Hanger	1			OWDRILL P/		7428	7432
		16	2.88	6.5	N-80	8RD	7432	7910
		1	2.88			8RD	7910	7911
		1	2.88	6.5	N-80	8RD	7911	7942
	Casing Guide Shoe	1	2.88				7942	7943
BRIDGE PLUG	Retrievable Bridge F	1	4.50				6993	6997
PRODUCTION TUBING	Tubing	81	2.38	4.70	J-55	External-Ups	10	2575
	XN Profile Nipple	1					2575	2576
	Notched Collar	1					2576	2577

<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	390	NEAT	10	555	No
PRODUCTION CASING	STAGE 1	200	PREMIUM	6340	7386	Yes
DEEPENED LINER	STAGE 1	13	G	7425	7840	Yes
PRODUCTION CASING	SQUEEZE JOB			3022	3354	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>
	NIOBRARA		7056	7077	10/05/1992	PRODUCTION	
	NIOBRARA		7107	7122	10/05/1992	PRODUCTION	
	NIOBRARA		7202	7224	10/05/1992	PRODUCTION	
	CODELL		7344	7354	10/01/1992	PRODUCTION	
	CODELL		7355	7359	10/01/1992	PRODUCTION	
	J SAND		7806	7808	03/18/1998	PRODUCTION	
	J SAND		7815	7818	03/18/1998	PRODUCTION	
	J SAND		7826	7842	03/18/1998	PRODUCTION	
	J SAND		7844	7850	03/18/1998	PRODUCTION	
	J SAND		7852	7854	03/18/1998	PRODUCTION	
	J SAND		7856	7858	03/18/1998	PRODUCTION	

Comments: