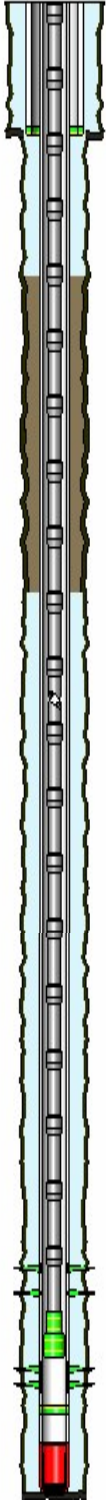


**KERR-MCGEE OIL AND GAS ONSHORE LP**  
**MOSER 17-21**  
**NW NE 21 3N 65W 954' FNL 1,555' FEL**  
**WELD,COLORADO**  
**01/27/2015**

AREA: E1      ROUTE: E14    Spud: 02/10/2009    WINS No.: 93172    AFE/WO#: 88633905    API#: 0512329340

GL: 4827    KB: 4842    MTD: 7400    TVD: 7343    LOG MD:    PBMD: 7359    PBTVD: 7302

Directions: **WCR 32 & WCR 43; WEST 2/10 MILE; SOUTH 2/10 MILE INTO**



<u>HOLE SECTIONS</u>		<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE		12.25	15	740	02/10/2009				
PRODUCTION		7.88	740	7400	02/12/2009				
<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>
<b>SURFACE CASING</b>		Casing	17	8.63	24.00	J-55	ST&C	15	741
		Saw Tooth Shoe	1	8.63		J-55		741	742
<b>PRODUCTION CASING</b>		Casing	169	4.50	11.60	I-80	8RD LTC	15	7359
		Latch Down Baffle	1	4.50		I-80		7359	7359
		Casing	1	4.50	11.60	I-80	8RD LTC	7359	7387
		Casing Float Shoe	1	4.50		I-80		7387	7388
<b>PRODUCTION TUBING</b>		Tubing	229	2.38	4.70		8RD EUE	15	7229
		XN Profile Nipple	1	2.38				7229	7230
		Notched Collar	1	3.13				7230	7231
<u>CEMENT JOBS</u>		<u>Stage</u>	<u>Sacks</u>	<u>Cement Jobs</u>		<u>Top D</u>	<u>Btm D</u>	<u>cbf</u>	
<b>SURFACE CASING</b>		PRIM CMT 1ST STAGE	470	LEAD	TYPE 3	15	744	No	
<b>PRODUCTION CASING</b>		PRIM CMT 1ST STAGE	445	LEAD	PREMIUM LITE	3300	6547	Yes	
		PRIM CMT 1ST STAGE	135	TAIL	50/50 POZ-MIX	6547	7390	Yes	
<b>SURFACE CASING</b>		REMEDIAL CEMENT	245	LEAD	FRESH WATER	670	1525	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	A	6964	6974	03/20/2009	PRODUCTION		
		NIOBRARA	B	7007	7017	03/20/2009	PRODUCTION		
		NIOBRARA	C	7120	7130	03/20/2009	PRODUCTION		
		CODELL		7255	7270	03/19/2009	PRODUCTION		

Comments: