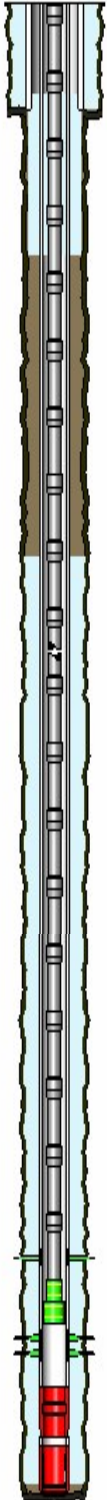


**KERR-MCGEE OIL AND GAS ONSHORE LP**  
**HOPPER 24-15**  
**NE SE 15 2N 68W 1,973' FSL 571' FEL**  
**WELD,COLORADO**  
**12/30/2014**

AREA: W2      ROUTE: W26 Spud: 12/11/2006      WINS No.: 91926      AFE/WO#: 88630288      API#: 0512324219

GL: 4900    KB: 4916    MTD: 7750    TVD: 7624    LOG MD:      PBMD: 7725    PBTVD: 7599

Directions: I-25 & HWY.119,EAST OUTER RD.SOUTH TO RD.20 UNDERPASS,WEST OUTER RD.NORTH1 MILE,WEST & SOUTH INTO.



<u>HOLE SECTIONS</u>		<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE		12.25	16	660	12/11/2006				
PRODUCTION		7.88	660	7750	12/17/2006				
<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	14	8.63	24.00	J-55	STC	16	640
PRODUCTION CASING		Casing	184	4.50	11.60	I-80	LTC	16	7725
		Casing Float Collar	1	4.50				7725	7725
		Casing	1	4.50	11.60	I-80	LTC	7725	7740
		Casing Float Shoe	1	4.50				7740	7741
PRODUCTION TUBING		Tubing	241	2.38	4.70	J-55	External-Ups	16	7551
		XN Profile Nipple	1	2.38				7551	7553
		Notched Collar	1	3.06				7553	7553
<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>	
SURFACE CASING		PRIM CMT 1ST STAGE	180	LEAD	DJ - G	16	640	No	
		PRIM CMT 1ST STAGE	100	TAIL	DJ - PREMIUM	16	640	No	
PRODUCTION CASING		PRIM CMT 1ST STAGE	285	LEAD	DJ - G	3330	4916	Yes	
		PRIM CMT 1ST STAGE	110	MIDDLE	DJ - PREMIUM	4916	6176	Yes	
		PRIM CMT 1ST STAGE	135	TAIL	DJ - PREMIUM	6176	7741	Yes	
SURFACE CASING		TOP OUT JOB				540	1500	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	B	7380	7392	11/24/2010	PRODUCTION		
		NIOBRARA	C	7454	7460	11/24/2010	PRODUCTION		
		NIOBRARA	C	7462	7470	11/24/2010	PRODUCTION		
		CODELL		7588	7612	01/08/2007	PRODUCTION	all shots fired	

Comments: