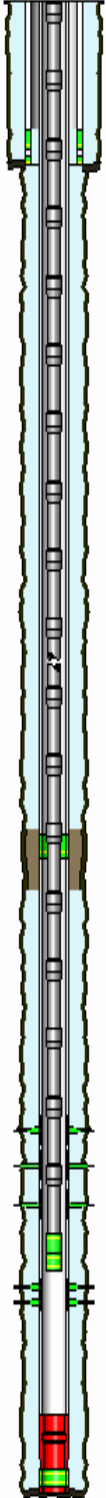


KERR-MCGEE OIL AND GAS ONSHORE LP
COLAND 41-17
SW NW 16 3N 66W 1,900' FNL 529' FWL
WELD,COLORADO
05/22/2013

AREA: N3 ROUTE: N31 Spud: 11/07/2009 WINS No.: C2735 AFE/WO#: 88336019 API#: 0512330627

GL: 4900 KB: 4915 MTD: 8090 TVD: 7983 LOG MD: 8079 PBMD: 8045 PBTVD: 7938

Directions: 34 & 29 S 3/10, E 1/10, S INTO



<u>HOLE SECTIONS</u>		<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE		12.25	15	940	11/08/2009				
PRODUCTION		7.88	940	8090	11/14/2009				
<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>
SURFACE CASING									
	Casing	20	8.63	24.00	J-55	STC	15	890	
	Baffle	1	8.63		J-55		890	890	
	Casing	1	8.63	24.00	J-55	STC	890	929	
	Saw Tooth Shoe	1	8.63		J-55		929	930	
PRODUCTION CASING									
	Casing	129	4.50	11.60	I-80	8RD LTC	15	5450	
	Cement Stage Too	1	4.50		I-80		5450	5452	
	Casing	63	4.50	11.60	I-80	8RD LTC	5452	8045	
	Casing Float Collar	1	4.50		I-80		8045	8046	
	Shoe Joint	1	4.50	11.60	I-80	8RD LTC	8046	8078	
	Casing Float Shoe	1	4.50		I-80		8078	8080	
PRODUCTION TUBING									
	Tubing	235	2.38	4.70	J-55	External-Ups	15	7446	
	XN Profile Nipple	1	2.38				7446	7447	
	Notched Collar	1	2.38				7447	7447	
<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									
	PRIM CMT 1ST STAGE	590	LEAD	TYPE 3		15	935	No	
PRODUCTION CASING									
	PRIM CMT 1ST STAGE	125	LEAD	ECONOCEM		6000	6800	Yes	
	PRIM CMT 1ST STAGE	234	TAIL	FRACCEM		6800	8090	Yes	
	PRIM CMT 2ND STAGI	555	LEAD	ECONOCEM		880	5210	Yes	
	PRIM CMT 2ND STAGI	50	TAIL	PREMIUM		5210	5450	Yes	
SURFACE CASING									
	ONE INCH JOB	225	LEAD	FRESH WATER		50	877	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		7206	7212	12/10/2009	PRODUCTION				
NIOBRARA		7262	7268	12/10/2009	PRODUCTION				
NIOBRARA		7344	7350	12/10/2009	PRODUCTION				
CODELL		7489	7507	12/10/2009	PRODUCTION				

Comments: