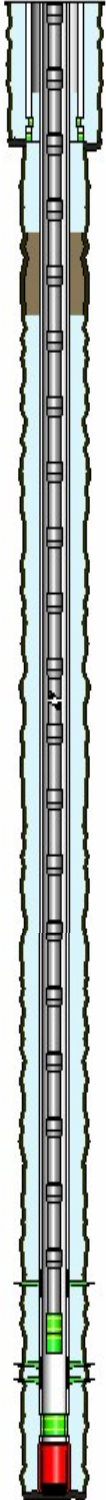


KERR-MCGEE OIL AND GAS ONSHORE LP
GUNZNER 22-13
NE SW 13 3N 67W 2,190' FSL 1,957' FWL
WELD,COLORADO
01/29/2015

AREA: N2 ROUTE: N25 Spud: 01/27/2009 WINS No.: 98381 AFE/WO#: 88603883 API#: 0512329595

GL: 4786 KB: 4802 MTD: 7540 TVD: 7456 LOG MD: 7536 PBMD: 7498 PBTVD: 7414

Directions: WCR 32-1/2 & WCR 23; E 4/10, S 1/10 INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE	12.25	16	803	01/28/2009				
PRODUCTION	7.88	803	7540	02/01/2009				
<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	17	8.63	24.00	J-55	STC	16	742
	Baffle	1	8.00				742	742
	Casing	1	8.63	24.00	J-55	STC	742	786
	Saw Tooth Shoe	1	8.63		J-55		786	787
PRODUCTION CASING	Casing	172	4.50	11.60	I-80	8RD LTC	16	7498
	Latch Down Baffle	1	4.00				7498	7498
	Casing	1	4.50	11.60	I-80	8RD LTC	7498	7526
	Casing Float Shoe	1	5.00				7526	7528
PRODUCTION TUBING	Tubing	232	2.38	4.70		8RD EUE	16	7346
	XN Profile Nipple	1	2.38				7346	7347
	Notched Collar	1	2.38				7347	7348
<u>CEMENT JOBS</u>	<u>Stage</u>	<u>Sacks</u>	<u>Cement Jobs</u>					
SURFACE CASING	PRIM CMT 1ST STAGE	326	LEAD	TYPE 3			16	789
								No
PRODUCTION CASING	PRIM CMT 1ST STAGE	650	LEAD	PREMIUM LITE			2519	6671
	PRIM CMT 1ST STAGE	155	TAIL	50/50 POZ-MIX			6671	7531
								Yes
PRODUCTION CASING	ONE INCH JOB	150	LEAD-1	CEMENT			588	1306
								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	7102	02/20/2009	PRODUCTION		
	NIOBRARA	B	7154	7160	02/20/2009	PRODUCTION		
	NIOBRARA	C	7224	7228	02/20/2009	PRODUCTION		
	NIOBRARA	C	7248	7254	02/20/2009	PRODUCTION		
	CODELL		7370	7386	02/19/2009	PRODUCTION		

Comments: