

KERR-MCGEE OIL AND GAS ONSHORE LP

WILLIAMS 11-20

NW SE 20 2N 68W 1,548' FSL 1,497' FEL

WELD,COLORADO

11/14/2014

AREA: W2

ROUTE: W25 Spud: 05/31/2009

WINS No.: 00322

AFE/WO#: 88632944

API#: 0512328043

GL: 4901

KB: 4916

MTD: 8070

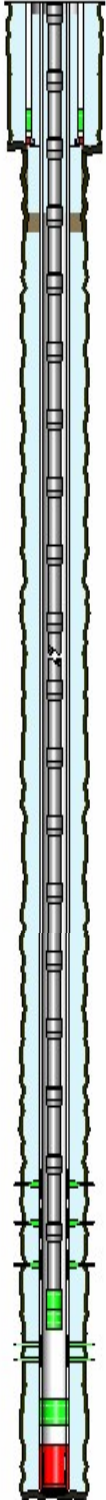
TVD: 7693

LOG MD:

PBMD: 8042

PBTVD: 7665

Directions: WCR 20 & WCR 7, W 2/10, SW 3/4 & NW INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE	12.25	15	787	06/01/2009				
PRODUCTION	7.88	787	8070	06/04/2009				
<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	15	726
	Baffle	1	8.63				726	726
	Casing	1	8.63	24.00	J-55	STC	726	770
	Casing Guide Shoe	1	8.63		J55		770	771
PRODUCTION CASING	Casing	192	4.50	11.60	I-80	LT&C	15	8042
	Latch Down Baffle	1	4.50				8042	8042
	Casing	1	4.50	11.60	I-80	LT&C	8042	8057
	Casing Float Shoe	1	4.50				8057	8059
PRODUCTION TUBING	Tubing	248	2.38	4.70	J-55	External-Ups	15	7822
	XN Profile Nipple	1	2.38				7822	7823
	Notched Collar	1	2.38				7823	7824
<u>CEMENT JOBS</u>	<u>Stage</u>	<u>Sacks</u>	<u>Cement Jobs</u>					
SURFACE CASING	PRIM CMT 1ST STAGE	530	LEAD	TYPE 3			15	773 No
PRODUCTION CASING	PRIM CMT 1ST STAGE	900	LEAD	ECONOCM			1342	7150 Yes
	PRIM CMT 1ST STAGE	155	TAIL	FRACCHEM			7150	8061 Yes
SURFACE CASING	TOP OUT JOB						90	1220 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	7579	7583	08/21/2009	PRODUCTION			
NIOBRARA	B	7649	7661	08/21/2009	PRODUCTION			
NIOBRARA	C	7746	7754	08/21/2009	PRODUCTION			
CODELL		7869	7889	08/20/2009	PRODUCTION			

Comments: