

KERR-MCGEE OIL AND GAS ONSHORE LP

WILLIAMS 36-20

NE NW 20 2N 68W 673' FNL 1,954' FWL

WELD,COLORADO

12/17/2014

AREA: W2

ROUTE: W25 Spud: 04/01/2009

WINS No.: 97204

AFE/WO#: 88479750

API#: 0512328067

GL: 4909

KB: 4923

MTD: 7840

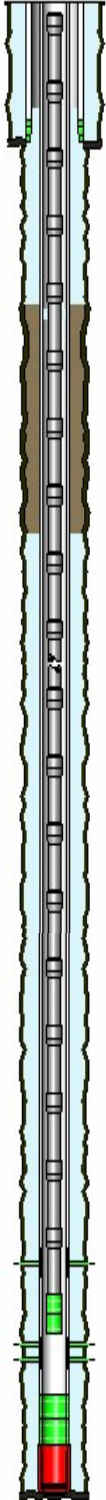
TVD: 7714

LOG MD: 7835

PBMD: 7794

PBTVD: 7633

Directions: WCR 3-1/4 & 16-1/2; W 1/4 ; NE INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>
SURFACE	12.25	14	790	04/02/2009
PRODUCTION	7.88	790	7840	04/04/2009

<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	14	737
	Baffle	1	8.63				737	737
	Shoe Joint	1	8.63	24.00	J-55	STC	737	781
	Saw Tooth Shoe	1	9.00				781	782
PRODUCTION CASING	Casing	186	4.50	11.60	I-80	LTC	14	7794
	Latch Down Baffle	1	4.50				7794	7794
	Shoe Joint	1	4.50	11.60	I-80	LTC	7794	7823
	Casing Float Shoe	1	5.00				7823	7825
PRODUCTION TUBING	Tubing	242	2.38	4.70	J-55	8RD EUE	15	7634
	XN Profile Nipple	1	2.38				7634	7635
	Notched Collar	1	2.38				7635	7635

<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	490	LEAD TYPE 3	14	790	No
PRODUCTION CASING	PRIM CMT 1ST STAGE	516	LEAD PREMIUM LITE	3500	6957	Yes
	PRIM CMT 1ST STAGE	134	TAIL 50/50 POZ-MIX	6957	7826	Yes
PRODUCTION CASING	TOP OUT JOB			660	1750	No
PRODUCTION CASING	REMEDIAL CEMENT			1780	1450	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>
	FOX HILLS		1750		10/28/2014	CEMENT SQUEEZE	3 HOLES
	NIOBRARA	A	7360	7362	07/13/2009	PRODUCTION	
	NIOBRARA	B	7434	7444	07/13/2009	PRODUCTION	
	NIOBRARA	C	7522	7530	07/13/2009	PRODUCTION	
	CODELL		7652	7664	07/09/2009	PRODUCTION	

Comments: