

**KERR-MCGEE OIL AND GAS ONSHORE LP**

**BULTHAUP 21-6**

**SW NE 6 1N 68W 1,995' FNL 2,080' FEL**

**WELD,COLORADO**

**01/22/2014**

**AREA: S3**

**ROUTE: S37 Spud: 10/27/2008**

**WINS No.: 97781**

**AFE/WO#: 88436386**

**API#: 0512326883**

**GL: 4972**

**KB: 4986**

**MTD: 7879**

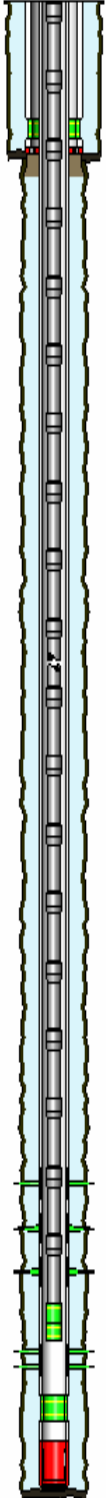
**TVD: 7783**

**LOG MD: 7879**

**PBMD: 7840**

**PBTVD: 7739**

**Directions: HWY 52 & WCR 3, W 0.5, S INTO**



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>
SURFACE	12.25	14	825	10/28/2008
PRODUCTION	7.88	825	7878	11/01/2008

<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>
<b>SURFACE CASING</b>								
	Casing	17	8.63	24.00	J-55	STC	14	770
	Baffle	1	8.00				770	770
	Casing	1	8.63	24.00	J-55	STC	770	814
	Casing Guide Shoe	1	8.63		J-55		814	815
<b>PRODUCTION CASING</b>								
	Casing	180	4.50	11.60	I-80	LTC	14	7840
	Latch Down Baffle	1	4.00				7840	7840
	Casing	1	4.50	11.60	I-80	LTC	7840	7851
	Casing Float Shoe	1	4.50		I-80		7851	7853
<b>PRODUCTION TUBING</b>								
	Tubing	243	2.38	4.70	J-55	External-Ups	14	7714
	XN Profile Nipple	1	2.38				7714	7715
	Notched Collar	1	2.38				7715	7716

<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>
<b>SURFACE CASING</b>						
	PRIM CMT 1ST STAGE	550	LEAD TYPE 3	15	816	No
<b>PRODUCTION CASING</b>						
	PRIM CMT 1ST STAGE	514	LEAD Haliburton Light standard	3662	6994	Yes
	PRIM CMT 1ST STAGE	147	TAIL FracCem.	6994	7856	Yes
<b>PRODUCTION CASING</b>						
	ONE INCH JOB	445	LEAD NEAT	960	3694	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	7392	7394	11/14/2008	PRODUCTION	
	NIOBRARA	B	7498	7506	11/14/2008	PRODUCTION	
	NIOBRARA	C	7598	7606	11/14/2008	PRODUCTION	
	CODELL		7728	7748	11/11/2008	PRODUCTION	

**Comments:**