

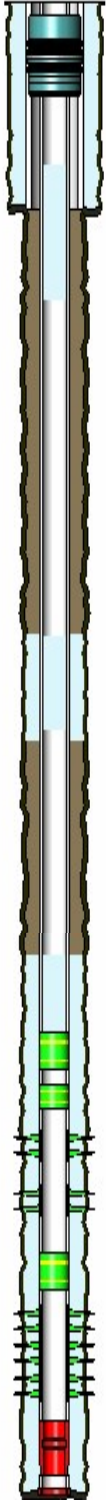
**KERR-MCGEE OIL AND GAS ONSHORE LP**

**HLADKY 12-21A  
NW SW 21 2N 66W -- --  
WELD,COLORADO  
07/16/2014**

**AREA: E3      ROUTE: E32    Spud: 10/14/2002    WINS No.: 73687    AFE/WO#: 2097845    API#: 0512321105**

**GL: 4913    KB: 4925    MTD: 8020    TVD: 8020    LOG MD: 8022    PBMD: 7996    PBTVD: 7996**

**Directions:    HWY 85 & WCR 18-1/2, EAST 1.1 MILE, SOUTH 2/10 INTO LOCATION.**



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>
SURFACE	12.25	12	942	10/15/2002
PRODUCTION	7.88	942	8020	10/19/2002

<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	21	8.63	24	J-55	STC	12	932
PRODUCTION CASING	Casing	191	4.50	11.6	I-80	LTC	12	7969
	Casing Float Collar	1	4.50				7969	7970
	Casing	1	4.50	11.60	I-80	LTC	7970	8010
	Casing Guide Shoe	1					8010	8011
BRIDGE PLUG	Cast Iron Bridge Plu	1	4.50				7100	7101
BRIDGE PLUG	Cast Iron Bridge Plu	1	4.50				7760	7761
BRIDGE PLUG	Cast Iron Bridge Plu	1	4.50				7082	7083
BRIDGE PLUG	Bridge Plug		8.63				80	83

<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	STAGE 1	560	NEAT	12	932	No
PRODUCTION CASING	STAGE 1 LEAD	155	LITE	4099	4902	Yes
	STAGE 1 TAIL	197	50/50 POZ-MIX	6495	8011	Yes
PRODUCTION CASING	ABANDONMENT PLUC			4120	4820	No
PRODUCTION CASING	ABANDONMENT PLUC			6499	7080	No
PRODUCTION CASING	ABANDONMENT PLUC			600	1602	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	7193	7193	09/17/2003	PRODUCTION	
	NIOBRARA	B	7265	7283	09/17/2003	PRODUCTION	
	CODELL		7470	7484	09/12/2003	PRODUCTION	
	J SAND		7844	7848	10/29/2002	PRODUCTION	
	J SAND		7856	7860	10/29/2002	PRODUCTION	
	J SAND		7873	7894	10/29/2002	PRODUCTION	

Comments: