

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

**HSR-NIALl 13-7A  
SW SW 7 3N 65W -- --  
WELD,COLORADO  
04/10/2015**

**AREA: E1**

**ROUTE: E12 Spud: 06/18/1991**

**WINS No.: 76503**

**AFE/WO#: 88748615**

**API#: 0512315044**

**GL: 5015**

**KB: 5026**

**MTD: 8050**

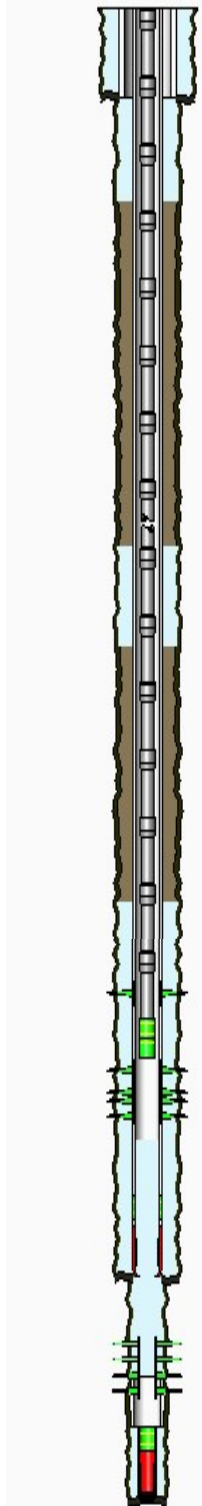
**TVD: 8050**

**LOG MD: 8051**

**PBMD: 8014**

**PBTVD: 8014**

**Directions: CR 32 & CR 37, N 1.0, NE 1/10 INTO**



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>			
SURFACE	12.25	11	665	06/18/1991			
PRODUCTION	7.88	665	7585	06/22/1991			
DEEPENED	3.88	7585	8050	10/28/1998			

<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	16	8.63	24			11	656
PRODUCTION CASING	Casing	175	4.50	11.6	I-80		11	7543
		1	4.50				7543	7545
	Casing	1	4.50	11.6	I-80		7545	7578
	Casing Guide Shoe	1	4.50				7578	7579
DEEPENED LINER	Liner Hanger	1			ARROW		7509	7514
		17	2.88	6.5	N-80	8RD	7514	8014
		1	2.88				8014	8016
		1	2.88	6.5	N-80	8RD EUE	8016	8044
	Casing Guide Shoe	1	2.88				8044	8045
PRODUCTION TUBING	Tubing	228	2.38	2.38	J-55	EXTERNAL-UP	11	7417
	XN Profile Nipple	1	2.38				7417	7418
	Notched Collar	1	2.38				7418	7418

<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	460	NEAT	11	656	No
PRODUCTION CASING	STAGE 1	145	PREMIUM	6660	7579	Yes
DEEPENED LINER	STAGE 1	25	G	7509	8045	Yes
PRODUCTION CASING	ONE INCH JOB	320	LEAD CEMENT	672	1428	Yes
PRODUCTION CASING	ONE INCH JOB	270	LEAD CEMENT	4012	4758	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		7146	7164	04/01/1992	PRODUCTION	
	NIOBRARA		7200	7214	04/01/1992	PRODUCTION	
	NIOBRARA		7285	7312	04/01/1992	PRODUCTION	
	CODELL		7429	7436	07/03/1991	PRODUCTION	
	CODELL		7432	7440	10/05/1999	PRODUCTION	
	CODELL		7437	7442	07/03/1991	PRODUCTION	
	J SAND		7889	7897	11/10/1998	PRODUCTION	
	J SAND		7903	7928	11/10/1998	PRODUCTION	

**Comments:**