

KERR-MCGEE OIL AND GAS ONSHORE LP

HALE 21-13

SW NE 13 3N 67W 1,641' FNL 1,654' FEL

WELD,COLORADO

08/08/2014

AREA: N2

ROUTE: N25 Spud: 07/15/2008

WINS No.: 98383

AFE/WO#: 88549093

API#: 0512326959

GL: 4799

KB: 4811

MTD: 7575

TVD: 7458

LOG MD: 7572

PBMD: 7532

PBTVD: 7415

Directions: WCR 23.5 & 32.5, NORTH INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>
SURFACE	12.25	12	830	07/16/2008
PRODUCTION	7.88	830	7575	07/19/2008

<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>
SURFACE CASING	Casing	17	8.63	24.00	J-55	ST&C	12	764
	Baffle	1	8.63				764	764
	Casing	1	8.63	24.00	J-55	ST&C	764	809
	Casing Guide Shoe	1	9.63				809	810
PRODUCTION CASING	Casing	173	4.50	11.60	I-80	LTC	12	7532
	Latch Down Baffle	1	4.50		I-80		7532	7532
	Casing	1	4.50	11.60	I-80	LTC	7532	7560
	Casing Float Shoe	1	4.50		I-80		7560	7562
PRODUCTION TUBING	Tubing	236	2.38	4.70	J-55	External-Ups	0	7370
	Seating Nipple	1					7370	7371
	Notched Collar	1					7371	7372
PRODUCTION TUBING	Wellbore Equipment	236	2.38		J-55		12	7368
	Wellbore Equipment	1	1.28				7368	7369
	Wellbore Equipment	1	2.38		J-55		7369	7370

<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	350	LEAD	SWIFTCEM - HOT	12	811	No
PRODUCTION CASING	PRIM CMT 1ST STAGE	550	LEAD	35/65 POZ-MIX	2570	6718	Yes
	PRIM CMT 1ST STAGE	145	TAIL	50/50 POZ-MIX	6718	7572	Yes
--None--	ONE INCH JOB				740	1520	Yes
--None--	ONE INCH JOB				740	1520	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	7127	7132	08/26/2008	PRODUCTION		
NIOBRARA	A	7141	7146	08/26/2008	PRODUCTION		
NIOBRARA	B	7187	7197	08/26/2008	PRODUCTION		
NIOBRARA	C	7261	7266	08/26/2008	PRODUCTION		
NIOBRARA	C	7277	7282	08/26/2008	PRODUCTION		
CODELL		7404	7424	08/25/2008	PRODUCTION		

Comments: