

KERR-MCGEE OIL AND GAS ONSHORE LP

WILLIAMS 7-20

NW SE 20 2N 68W 1,608' FSL 1,497' FEL

WELD,COLORADO

11/11/2013

AREA: S2

ROUTE: S22 Spud: 05/01/2009

WINS No.: 00319

AFE/WO#: 88414680

API#: 0512328044

GL: 4901

KB: 4916

MTD: 8465

TVD: 8093

LOG MD: 8453

PBMD: 8418

PBTVD: 8047

Directions: WCR 20 & WCR 7, W 2/10, SW 3/4 & NW INTO



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE	12.25	15	780	05/02/2009				
PRODUCTION	7.88	780	8465	05/05/2009				
<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	16	8.63	24.00	J-55	STC	15	726
	Baffle	1	0.00				726	726
	Shoe Joint	1	8.63	24.00	J-55	STC	726	770
	Casing Guide Shoe	1	8.63				770	771
PRODUCTION CASING								
	Casing	201	4.50	11.60	I-80	LTC	15	8418
	Latch Down Baffle	1	4.50				8418	8418
	Casing	1	4.50	11.60	I-80	LTC	8418	8452
	Casing Float Shoe	1	4.50				8452	8454
PRODUCTION TUBING								
	Tubing		2.38	4.70	J-55	8RD EUE	15	7817
	Seating Nipple		2.38				7817	7819
	Notched Collar						7819	7819
PRODUCTION TUBING								
	Wellbore Equipment	250	238.00		J55		15	7864
	Wellbore Equipment	1	2.38		N80		7864	7865
	Wellbore Equipment	1	2.38		J55		7865	7866

<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	15	780	No
PRODUCTION CASING							
	PRIM CMT 1ST STAGE	520	LEAD	ECONOCEM	3600	7150	Yes
	PRIM CMT 1ST STAGE	230	TAIL	FRACCHEM	7150	8454	Yes
PRODUCTION CASING							
	ONE INCH JOB				490	3795	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>	
NIORARA	A	7576	7580	09/23/2009	PRODUCTION		
NIORARA	B	7643	7655	09/23/2009	PRODUCTION		
NIORARA	C	7740	7746	09/23/2009	PRODUCTION		
CODELL		7863	7881	09/22/2009	PRODUCTION		

Comments: