

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

**WARDELL 29-29**

**SW SW 20 3N 65W 566' FSL 860' FWL**

**WELD,COLORADO**

**06/04/2014**

**AREA: E1**

**ROUTE: E15 Spud: 07/01/2008**

**WINS No.: 92613**

**AFE/WO#: 88478195**

**API#: 0512324091**

**GL: 4912**

**KB: 4928**

**MTD: 7525**

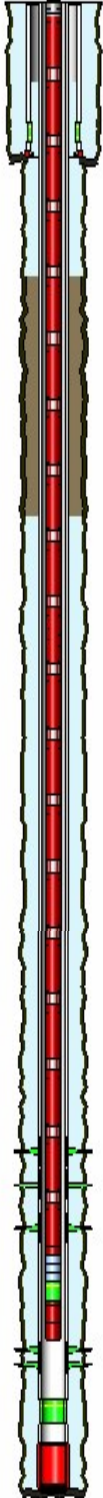
**TVD: 7459**

**LOG MD: 7521**

**PBMD: 7495**

**PBTVD: 7429**

**Directions: WCR 39 & WCR 32, SOUTH 3/4 MILE, EAST 1/8 MILE & SOUTH INTO**



<u>HOLE SECTIONS</u>	<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>					
SURFACE	12.25	16	835	07/01/2008					
PRODUCTION	7.88	835	7525	07/04/2008					
<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	16	773	
	Baffle	1	8.10				773	773	
	Casing	1	8.63	24.00	J-55	ST&C	773	818	
	Casing Guide Shoe	1	9.00				818	819	
PRODUCTION CASING	Casing	167	4.50	11.60	I-80	8RD LTC	15	7496	
	Latch Down Baffle	1	4.00				7496	7496	
	Casing	1	4.50	11.60	I-80	8RD LTC	7496	7512	
	Casing Float Shoe	1	5.00				7512	7514	
PRODUCTION TUBING	Tubing	234	2.38	4.70	J-55	External-Ups	0	7320	
	Seating Nipple	1					7320	7321	
	Notched Collar	1					7321	7321	
PRODUCTION TUBING	Wellbore Equipment	234	2.38		J-55		16	7344	
	Wellbore Equipment	1	2.38				7344	7345	
	Wellbore Equipment	1	2.38				7345	7346	
<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	360	LEAD	TYPE 3			16	820	No
PRODUCTION CASING	PRIM CMT 1ST STAGE	240	LEAD	PREMIUM LITE CEMENT			3140	4958	Yes
	PRIM CMT 1ST STAGE	130	MIDDLE	PREMIUM LITE			4958	6657	Yes
	PRIM CMT 1ST STAGE	185	TAIL	POZZOLAN W/ BENTONITE			6657	7516	Yes
--None--									
	ONE INCH JOB						520	1570	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	7066	7074	07/23/2008	PRODUCTION				
NIOBRARA	B	7108	7120	07/23/2008	PRODUCTION				
NIOBRARA	C	7214	7234	07/23/2008	PRODUCTION				
CODELL		7358	7374	07/22/2008	PRODUCTION				

**Comments:**