## KERR-MCGEE OIL AND GAS ONSHORE LP PIONEER 5-12 SE NW 12 2N 65W 2,625' FNL 2,435' FWL WELD,COLORADO 01/28/2014

AREA: E2 ROUTE: E24 Spud: 03/13/2009 WINS No.: 07003 AFE/WO#: WO# 88452771 API#: 0512329645

<u>GL: 4852 KB: 4872 MTD: 8117 TVD: 7709 LOG MD: 0 PBMD: 8062 PBTVD: 7671</u>

<u>Directions:</u> WCR 22 & WCR 49; W 4/10; N 5/10 INTO



HOLE SECTIONS	<u>Size</u>	<u>Top</u>	<u>Btm</u>	TD Dat	<u>e</u>				
SURFACE	12.25	20	830	03/13/2	2009				
PRODUCTION	7.88	824	8117	03/16/2	2009				
TUBULARS	Tool Type	<u>Joints</u>	Size W	leight_	<u>Grade</u>	Thread	<u>Top</u>	<u>D</u> <u>E</u>	Bottom D
SURFACE CASING									
	Casing	17	8.63 2	24.00	J-55	STC	2	20	778
	Baffle	1	8.63				77	78	779
	Shoe Joint	1	8.63 2	24.00	J-55	STC	77	79	823
	Saw Tooth Shoe	1	8.63				82	23	824
PRODUCTION CASING									
	Casing	193	4.50 1	11.60	I-80	LTC	2	20	8063
	Latch Down Baffle	1	4.50				806	3	8063
	Shoe Joint	1	4.50 1	11.60	I-80	LTC	806	3	8091
	Casing Float Shoe	1	4.50				808	91	8093
BRIDGE PLUG									
	Cast Iron Bridge Plu	1	4.50				547	70	5473
CEMENT JOBS	Stage	Sack	<u>Cement</u>	Jobs			Top D	Btm D	<u>cbl</u>
SURFACE CASING									
SURFACE CASING	PRIM CMT 1ST STA	GE 520	LEAD	NEAT	TYPE III		20	824	No
	PRIM CMT 1ST STA	GE 520	LEAD	NEAT	TYPE III		20	824	No
SURFACE CASING PRODUCTION CASING									
	PRIM CMT 1ST STA	GE 425	LEAD	ECON	IOCEM		5410	6810	Yes
PRODUCTION CASING		GE 425			IOCEM				
	PRIM CMT 1ST STA PRIM CMT 1ST STA	GE 425 GE 320	LEAD TAIL	ECON FRAC	IOCEM CEM		5410 6810	6810 8093	Yes Yes
PRODUCTION CASING PRODUCTION CASING	PRIM CMT 1ST STA	GE 425	LEAD TAIL	ECON FRAC	IOCEM		5410	6810	Yes
PRODUCTION CASING PRODUCTION CASING PERFORATIONS	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB	GE 425 GE 320 300	LEAD TAIL LEAD	ECON FRAC FRES	OCEM CEM H WATER		5410 6810 3900	6810 8093	Yes Yes
PRODUCTION CASING PRODUCTION CASING	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB	GE 425 GE 320 300 <u>Btm</u>	LEAD TAIL LEAD	ECON FRAC FRES	OCEM CEM H WATER	_	5410 6810	6810 8093	Yes Yes
PRODUCTION CASING  PRODUCTION CASING  PERFORATIONS Formation Zone	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB  Top 5100	GE 425 GE 320 300 <u>Btm</u> 5101	LEAD TAIL LEAD  Date 01/21/2014	ECON FRAC FRESI Reas	OCEM CEM H WATER  SON IENT SQUEEZE	_	5410 6810 3900 omments	6810 8093	Yes Yes
PRODUCTION CASING  PRODUCTION CASING  PERFORATIONS Formation Zone  NIOBRARA B	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB Top 5100 7251	GE 425 GE 320 300 Btm 5101 7266	LEAD TAIL  LEAD  Date 01/21/2014 07/23/2009	ECON FRAC FRESI Reas CEM PRO	OCEM CEM H WATER  SON IENT SQUEEZE DUCTION	2	5410 6810 3900 omments	6810 8093	Yes Yes
PRODUCTION CASING  PRODUCTION CASING  PERFORATIONS Formation Zone	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB  Top 5100	GE 425 GE 320 300 <u>Btm</u> 5101	LEAD TAIL LEAD  Date 01/21/2014	ECON FRAC FRESI Reas CEM PRO	OCEM CEM H WATER  SON IENT SQUEEZE	2	5410 6810 3900 omments	6810 8093	Yes Yes
PRODUCTION CASING  PRODUCTION CASING  PERFORATIONS Formation Zone  NIOBRARA B	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB Top 5100 7251	GE 425 GE 320 300 Btm 5101 7266	LEAD TAIL  LEAD  Date 01/21/2014 07/23/2009	ECON FRAC FRESI Reas CEM PRO	OCEM CEM H WATER  SON IENT SQUEEZE DUCTION	2 3	5410 6810 3900 omments	6810 8093	Yes Yes
PRODUCTION CASING  PRODUCTION CASING  PERFORATIONS Formation Zone  NIOBRARA B NIOBRARA C	PRIM CMT 1ST STA PRIM CMT 1ST STA SQUEEZE JOB  Top 5100 7251 7347	GE 425 GE 320 300 <u>Btm</u> 5101 7266 7352	LEAD TAIL  LEAD  Date 01/21/2014 07/23/2009 07/23/2009	ECON FRAC FRESI Reas CEM PRO	OCEM CEM H WATER  SON BENT SQUEEZE DUCTION DUCTION	2 3	5410 6810 3900 omments SPF	6810 8093	Yes Yes

Comments: