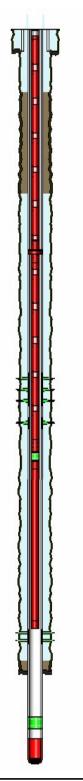
KERR-MCGEE OIL AND GAS ONSHORE LP MORNING FRESH 11-10 NE SW 10 3N 66W -- -WELD,COLORADO 04/24/2014

AREA: N1 ROUTE: N12 Spud: 10/10/2004 WINS No.: 76897 AFE/WO#: 88493477 API#: 0512322163

<u>GL: 4875 KB: 4887 MTD: 7510 TVD: 7510 LOG MD: 7512 PBMD: 7478 PBTVD: 7478</u>

<u>Directions:</u> CR 34 & CR 31, N 5/10, E 3/10, S 2/10 E INTO.



31, N 5/10, E 3/10	0, 3 2/10									
HOLE SECTIONS		Size	<u>Top</u>	<u>Btm</u>	TD Da	<u>te</u>				
SURFACE		12.25	12	545	10/10/2	2004				
PRODUCTION		7.88	546	7510	10/14/2	2004				
TUBULARS		Tool Type	<u>Joints</u>	Size V	<u>Veight</u>	Grade	Thread	<u>To</u>	p D	Bottom D
SURFACE CASING	;									
		Casing	12	8.63	24	J-55	STC		12	537
PRODUCTION CAS	SING									
		Casing	179 1	4.50	11.6	I-80	LTC	7.	12	7509
		Casing	1	4.50 4.50	11.6 11.6				509 510	7510 7534
		Casing Guide Shoe	1	4.50	11.0				534	7535
PRODUCTION TUE	RING			1.00				, ,		7000
. RODOGION TOE		Tubing	238	2.38	4.7	J-55	8RD EUE		12	7315
		Seating Nipple	1	2.38		J-55		73	315	7316
		Notched Collar	1	2.38		J-55		73	316	7317
PRODUCTION TUE	BING									
		Wellbore Equipment	128	2.38		J-55			12	3945
		Wellbore Equipment	1	4.50					945	3951
		Wellbore Equipment	110	2.38		J-55			951	7331
		Wellbore Equipment	1	2.38		J-55		73	331	7332
CEMENT JOBS		Stage	Sack	s <u>Cement</u>	<u>Jobs</u>			Top D	Btm D	<u>cbl</u>
CEMENT JOBS SURFACE CASING	3	<u>Stage</u>	Sack	ks <u>Cement</u>	<u>Jobs</u>				Btm D) <u>cbl</u>
	3	Stage STAGE 1	Sack 375		Jobs NEAT			<u>Top D</u> 12	Btm C 537	<u> </u>
										<u> </u>
SURFACE CASING		STAGE 1	375	5	NEAT LITE			12 3902	537 5080	7 No) Yes
SURFACE CASING		STAGE 1 STAGE 1 STAGE 1 MIDDLE	375 140 90	5	NEAT LITE LITE			12 3902 5080	537 5080 6550	7 No 1 Yes 2 Yes
SURFACE CASING		STAGE 1	375	5	NEAT LITE LITE	POZ-MIX		12 3902	537 5080	7 No 1 Yes 2 Yes
SURFACE CASING		STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL	375 140 90	5	NEAT LITE LITE			3902 5080 6550	537 5080 6550 7509	7 No 1 Yes 2 Yes 3 Yes
SURFACE CASING		STAGE 1 STAGE 1 STAGE 1 MIDDLE	375 140 90	5	NEAT LITE LITE			12 3902 5080	537 5080 6550	7 No 1 Yes 2 Yes 3 Yes
SURFACE CASING		STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB	375 140 90	5	NEAT LITE LITE			3902 5080 6550 380	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS		STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL	375 140 90	5	NEAT LITE LITE			3902 5080 6550	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS		STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB	375 140 90	5	NEAT LITE LITE			3902 5080 6550 380	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS None		STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB	375 140 90	5	NEAT LITE LITE	POZ-MIX	<u>2</u>	3902 5080 6550 380	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS NoneNone PERFORATIONS	SING	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB SQUEEZE JOB	375 140 90 140	5	NEAT LITE LITE 50/50	POZ-MIX	_	3902 5080 6550 380	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS NoneNone PERFORATIONS	SING	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB SQUEEZE JOB	375 140 90 140	Date	NEAT LITE LITE 50/50	POZ-MIX	_	3902 5080 6550 380	537 5080 6550 7509	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS None None PERFORATIONS Formation	SING	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB SQUEEZE JOB Top 1500	375 140 90 140 Btm 1501	Date 04/14/2014	NEAT LITE LITE 50/50	POZ-MIX Son MENT SQUEE	ZE	3902 5080 6550 380	537 5080 6550 7509 15	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS NoneNone PERFORATIONS Formation NIOBRARA	SING Zone	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB SQUEEZE JOB Top 1500 7039	375 140 90 140 140 <u>Btm</u> 1501 7060	<u>Date</u> 04/14/2014 10/19/2004	NEAT LITE LITE 50/50 Rea CEN PRO	POZ-MIX SON MENT SQUEE DDUCTION	ZE	3902 5080 6550 380 0	537 5080 6550 7509 15	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS NoneNone PERFORATIONS Formation NIOBRARA NIOBRARA	SING Zone	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB SQUEEZE JOB Top 1500 7039 7040	375 140 90 140 Etm 1501 7060 7052	Date 04/14/2014 10/19/2004 02/28/2008	NEAT LITE LITE 50/50 Rea CEM PRO PRO	POZ-MIX SON MENT SQUEE DDUCTION DDUCTION	ZE 2	3902 5080 6550 380 0	537 5080 6550 7509 15 1500	7 No O Yes O Yes O Yes O Yes O Yes
PRODUCTION CAS NoneNone PERFORATIONS Formation NIOBRARA NIOBRARA NIOBRARA	Zone A	STAGE 1 STAGE 1 STAGE 1 MIDDLE STAGE 1 TAIL SQUEEZE JOB Top 1500 7039 7040 7090	375 140 90 140	Date 04/14/2014 10/19/2004 02/28/2008 10/19/2004	Rea CEM PRO	SON MENT SQUEE DDUCTION DDUCTION DDUCTION	ZE 2	3902 5080 6550 380 0 Comments	537 5080 6550 7509 15 1500	7 No O Yes O Yes O Yes O Yes O Yes

Comments: